

LEADING JOURNAL FOR THE COATINGS INDUSTRY IN EUROPE AND THE MIDDLE EAST

# PPCJ

POLYMERS PAINT COLOUR JOURNAL

VOL 208 – NO 4638 FEBRUARY 2018

**Inside:** Annual review of  
mergers & acquisitions

**Inside:** ACE answer to  
corrosion combat

## MECS 2018

Complete listing of companies at  
the Middle East Coatings Show in March

 **Middle East  
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Dubai 2018

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**PPCJ**  
POLYMERS PAINT COLOUR JOURNAL

VOL 208 No 4638 February 2018



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## MIDDLE EAST COATINGS SHOW 2018 DUBAI

### C1 MECS - March 19-21, 2018

MECS 2018 will be staged once again at the Dubai International Convention & Exhibition Centre. A comprehensive listing of exhibitors is published in both English and Arabic

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# The Coatings Group

## FORTHCOMING EVENTS



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links for  
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**Middle East  
Coatings Show**  
Dubai 2018

19 – 21 March 2018  
DWTC, Dubai UAE

29 – 31 May 2018  
Sandton Convention Centre  
South Africa



**Coatings For  
Africa**

The Southern Africa Coatings Show



**Asia Pacific  
Coatings Show**  
2018

13 – 14 September 2018  
KLCC, Kuala Lumpur  
Malaysia

17 – 18 October  
Hyatt Hotel, Casablanca  
Morocco



**North African  
Coatings Congress**  
2018

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## Expanding, acquiring and discovering

Welcome to your first copy of *PPCJ* for 2018 and a veritable smörgåsbord of delights we have for you in this packed issue. From paints and varnishes based on potato starch, gecko-inspired adhesives and dip-coated fertiliser spreaders to architectural coatings designed to withstand the worst of the elements and a look at some of the innovative coating technologies being used behind the scenes at the Olympic Winter Games in PyeongChang this month.

We try each month, to bring you as varied a selection of topics as possible within the pages – do let me know if we are missing any areas out; suggestions and feedback are always welcome.

### ■ Branching out

Of course, coatings is just one small part of the much wider speciality chemicals sector and we have a special report on this market on p46. Many of our readers, exhibitors, visitors to our exhibitions and advertisers are also involved in speciality chemicals and the market's leading players, such as Henkel, BASF, AkzoNobel, Evonik Industries, Clariant, Huntsman, The Dow Chemical Company, Lanxess and Ashland Inc among others are to be found every month in the pages of both *PPCJ* and sister magazine *APCJ*.

Driven by increased demand in end-user industries, such as construction, automotive and electronics the speciality chemicals market size by 2020 is expected to be worth at least US\$470bn

With all this in mind and after feedback from exhibitors and a noticeable rise in visitors in the wider speciality chemicals

market, The Coatings Group is excited to launch the *Asia Speciality Chemicals Show 2018*. Co-located with the *Asia Pacific Coatings Show 2018*, which will take place in Kuala Lumpur, Malaysia in September, we have broadened our reach to provide you with new opportunities to help you reach new clients, increase awareness for your company and much more... For more information about this exciting new venture and how you can be part of it, please visit [www.coatings-group.com/specialtychemicals](http://www.coatings-group.com/specialtychemicals)

### ■ Mergers and acquisitions

Non-stop headline making is how Louis McCulloch describes last year's M&A activity in our annual review starting on page 30. Nor surprisingly, the sequence of increasing number of transactions was maintained in 2017. December saw 11 in all to take the total for the year to an all-time high of 145, well ahead of the 131 of the previous year. If this carries on, we may well have to increase the number of news pages in each issue!

### ■ Out and about

Next month we will be turning our attention west towards the USA with our preview of this year's *American Coatings Show* and Southwards towards Johannesburg with a preview for *Coatings For Africa*, which will take place at the end of May. If you're exhibiting at either of these do send me your company and product news.

Now where did I put that chemical dictionary – it looks like it's going to be a very busy year for the coatings industry...

#### EDITORIAL

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## NEWS IN BRIEF

**Archroma joins UN Global Compact initiative**

Archroma has become a signatory of the United Nations Global Compact, joining the world's leading voluntary corporate social responsibility initiative, with more than 9500 participating companies from 160 countries. As part of its deep-rooted commitment to making its industry more sustainable, Archroma formally pledges to support and promote the UN Global Compact's 10 principles in the areas of human rights, labour, the environment and anti-corruption.

**Clariant increases prices for selected pigments**

Clariant has announced global price increases for selected pigments. The price increases, which came into effect for delivery as of January 15, 2018 or as soon as contracts allow, affect dioxazine violet and diarylide pigments. Prices for PV 23 (dioxazine violet) and PO 34 have increased by 15%. Prices for PY 83 by 14% and prices for PY 12, PY 13, PY 14, PY 174 and PY 176 by 5%.

**Call for papers for this year's ACT Conference**

The ACT Conference was launched in 1995 and has continued to take place every two years. Focusing on the latest topics and developments concerning paint technology, the ACT '18 Conference will be held in an Exhibition Centre in Sosnowiec, which is located very close to Katowice. For further information, please contact: Institute for Engineering of Polymer Materials and Dyes, Paint and Plastics Department, Ms Anna PAJAK – Chairperson of ACT '18 Organising Committee, ul. Chorzowska 50A, PL 44-100 Gliwice, Poland. Email: a.pajak@impib.pl; or visit www.impib.pl

## SABIC acquires 24.99% stake in Clariant

Clariant, a world leader in speciality chemicals, has acknowledged the investment by chemical industry peer and partner SABIC, which has acquired a 24.99% stake in Clariant. The acquisition of these stakes, which were previously held by White Tale and 40 North, makes SABIC the largest Clariant shareholder.

As is customary in the industry, Clariant was informed of SABIC's intention to acquire the

shares prior to the transaction. SABIC is one of the major global chemical companies, with a significant speciality chemicals business and a partner of Clariant in the Catalyst joint venture Scientific Design. Clariant intends to engage with SABIC over the coming weeks in order to discuss the new situation and explore possible ways to create value. Clariant will also continue the existing dialogue with all its other shareholders.

## ICHEMAD-Profarb endorses manufacturers with novel production technologies

An opening ceremony of the hi-tech Poli-Farbe paint factory built by ICHEMAD-Profarb was held in Bócsa, Hungary in October 2017. The largest Hungarian family-owned paint producer plans to strengthen its position in the EU market. The value of investment exceeds €3M. Water-based coatings production is based on the newest slurry technology, with implementation of innovative in-line dispersers as part of the plants.

The general extension of the paint factory was comprehensively designed and implemented by the Polish engineering company, ICHEMAD-Profarb. Thanks to novel engineering solutions, the Poli-Farbe + ICHEMAD project was able to win the support from both the European Union and Hungarian government funds.

Based on a 30yr specialisation in investment execution for the coatings industry, ICHEMAD aimed to technically enable highly efficient production, allowing for major energy savings. Acting as EPCM, the Polish company provided complete technological equipment for the factory. The grand opening took place in the presence



**L-R: Mikos Kovacs, ICHEMAD-Profarb Sales Representative; Radosław Adamek, President ICHEMAD-Profarb; Antal Szabó, MD Poli-Farbe; Krzysztof Danek, VP ICHEMAD-Profarb; Zsolt Málík, GM Poli-Farbe and Bartosz Becker, Member of the Board ICHEMAD-Profarb**

of Mr Mihály Varga, the Hungarian Minister of Economy and representatives of the Parliament and region.

## Vink Chemicals acquires Prom Chem's biocide business

Vink Chemicals GmbH & Co KG has acquired the biocidal business of UK-based Prom Chem Limited. This means that the company from the Lower Saxon Kakenstorf municipality will continue to expand its most important business area in Europe, the Middle East and Africa.

Vink Chemicals achieves approximately 90% of its sales with the production and distribution of biocides. "With the acquisition, we are strengthening our core business and opening up new target groups," said David

Zilm, Sales Manager Biocides. The purchase of part of the Biocidal division of Prom Chem with a focus on bit (1, 2-benzisothiazolin-3-one/CAS: 2634-33-5), fits ideally into the growth strategy of the company.

In the course of the acquisition, Vink acquired all European registrations of the biocidal formulations of Prom Chem and will continue offering all biocides of the Promex brand. In addition to the active ingredients CMIT/MIT and MIT, BIT will now complement the portfolio for Europe, Africa and the Middle East.

## Brenntag buys Quimitécnica

Brenntag has signed an agreement to acquire Quimitécnica.com Comércio e Indústria Química SA, Portugal (Quimitécnica). As a service provider, Quimitécnica has a strong focus on offering a wide range of chemical products, blends, logistics and storage services to various industrial business segments in Portugal, the Northern Spain and several African countries.

Quimitécnica has a strong position in the market for industrial chemicals, water treatment, pulp and paper and speciality chemicals.



# Renewed confidence reported despite Brexit, says BCF

Confidence levels return to those last seen in 2016 as the latest statistics from the British Coatings Federation (BCF) show a renewed optimism, with companies showcasing a more positive outlook for paints, coatings and printing ink sales for the year ahead.

The BCF's Business Confidence Survey asked coatings companies about their 2018 forecasts on future sales, employment and investment in comparison with 2017. Some improvements were seen in expectations for gross profit margins following the tough run of results seen in recent years, while the outlook for UK sales was also more upbeat with just in excess of 80% of firms predicting an improvement in 2018. But the BCF warns this could be the calm before the storm.

Whilst in the short term this is good news, the Federation's concerns lay in the longer term, especially in relation to Brexit. BCF's Chief Executive, Tom Bowtell, commented: "Heading into the new year with a renewed confidence is



BCF Business Confidence Index, November 2017

great for the industry, however, there are potential headwinds if we don't get the Brexit deal right. The BCF is going to do everything we can to get the best deal for the coatings industry, to continue as close to frictionless trade with the EU as possible."

## BASF decides on succession

Effective at the end of the Annual Shareholders' Meeting on May 4, 2018, Dr Martin Brudermüller (56), currently Vice Chairman of the Board of Executive Directors, will become Chairman of the Board of Executive Directors of BASF SE. Brudermüller will succeed Dr Kurt Bock (59), who has been BASF's Chairman since 2011 and a member of the Board of Executive Directors since 2003. This change will allow Bock to be elected as a member and chair of BASF's Supervisory Board in 2020 after the end of the statutory two-years cooling-off period.

Dr Hans-Ulrich Engel (58) was appointed as new Vice Chairman of the Board of Executive Directors. Furthermore, the Supervisory Board extended the appointments of Brudermüller, Engel and Sanjeev Gandhi (51) to the Board of Executive Directors by five years until the Annual Shareholders' Meeting 2023. In the course of the changes, the number of Board members will be reduced from eight to seven in May 2018.

"The change next year is part of the long-term succession planning for the Supervisory Board and the

Board of Executive Directors of BASF," said Dr Jürgen Hambrecht (71), Chairman of the Supervisory Board of BASF SE. "During the past seven years, Kurt Bock has successfully shaped the company and developed it further. We have asked him to stand for election to the Supervisory Board in 2020, so that the company can continue to benefit from his expertise and experience. With Martin Brudermüller we have again named a very competent and experienced successor from within the company."

## Clariant and Interplast distribution partnership

Clariant, a world leader in specialty chemicals has announced a new partnership in Turkey with the highly regarded distributor Interplast. The agreement involves the distribution of Clariant's pigments and pigment preparations for the coatings market in Turkey. This partnership became effective on December 20, 2017.

The broad portfolio of Clariant BU Pigments for the Coatings market includes



high-performance pigments, dyes, preparations and services to meet the demands of decorative, automotive, general industrial, wood, powder, marine and protective coatings. The product range

of the division includes well known trade names, such as Hostaperm, Novoperm, Permanent, Hansa, Colanyl, Hostatint and Hostafine. Clariant's deep experience and know-how in the sector have also made its products unique for successful technical performance and quality. Besides its products, Clariant also supports its services through global technical service centres and production centres.

## NEWS IN BRIEF

### Sika sales exceed CHF6bn for first time

Sika proved its ability to generate strong growth once again in 2017, increasing sales in local currencies by 8.9% to the equivalent of CHF6.25bn. Development in Q4 was particularly dynamic, with growth in local currencies amounting to 12.0% and organic growth coming in at 8.5%. The positive development of business in all regions, together with investments in new factories, the founding of further national subsidiaries and the market launch of new products all contributed to Sika's strong growth. A record net profit figure is expected for the 2017 financial year.

### BASF increases prices for pigments and dyes

Effective January 29, or as contracts allow, BASF will increase prices for pigments, dyes and preparations by up to 15% worldwide. The price increase will affect all market segments, predominantly the coatings, plastics and printing industries. Price adjustments are necessary due to higher raw material prices eg for pre-cursors of pigments and dyes, as well as increased costs for regulatory efforts like registration, environmental, health and safety.

### StarLite tipped for the top

Axalta Coating Systems has announced the release of StarLite, its 2018 Automotive Color of the Year. Borne from Axalta's ChromaDyne line of colour coats developed for automotive OEMs, StarLite is a light and reflective hue that uses Axalta's tri-coat process, which is formulated with synthetic pearl flakes to create an eye catching pearlescent effect.

## NEWS IN BRIEF

**Michelman opens innovation centre in India**

Michelman has announced the opening of its new packaging incubator, the Michelman Innovation Centre for Coatings (MICC), at its facilities in central Mumbai. The centre is designed to allow all members of the packaging value chain to participate in the design and production of sustainable packaging.

**Allnex expands amino resins place in Brazil**

Allnex is pleased to announce the expansion of the Allnex plant located in Ponta Grossa, Brazil to include production of select Cymel, Cyrez and Setamine amino resins. Allnex is the only large scale multi-national producer of amino resins within South America.

**Converting water into green hydrogen**

AkzoNobel Specialty Chemicals and Gasunie New Energy have joined forces to investigate the possible large scale conversion of sustainable electricity into green hydrogen via the electrolysis of water. Intended for Delfzijl in The Netherlands, the installation would use a 20mw water electrolysis unit, the largest in Europe, to convert sustainably produced electricity into 3000t /yr of green hydrogen – enough to fuel 300 hydrogen buses.

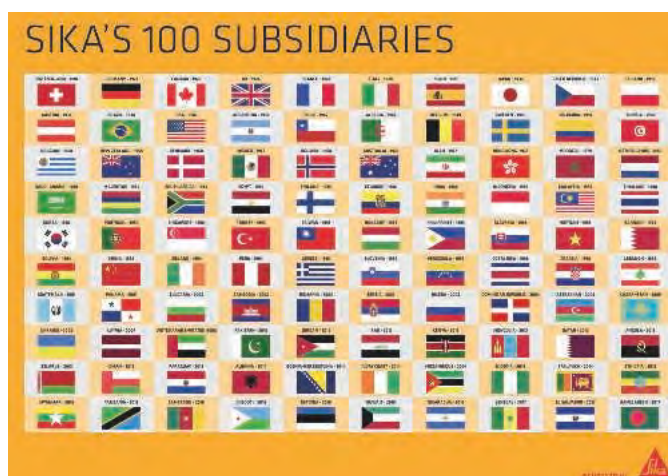
**Brenntag to extend network in Colombia**

Brenntag has entered into an agreement to acquire Conquímica SA. The chemical distribution company is headquartered in Medellin, Colombia, and is mainly active in providing industrial and specialty chemicals to the coatings, food and cleaning industries.

## Sika opens 100th national subsidiary in Bangladesh and expands in Africa

With the establishment of a new national subsidiary in Bangladesh, Sika has reached a further milestone in the implementation of its growth strategy and is now represented in 100 different countries. Over the past five years alone, 23 national subsidiaries have been established, making it possible to tap into growth potential in new markets. Bangladesh has more than 163M inhabitants and is one of the most populous countries in the world with a flourishing construction industry.

The establishment of the 100th national subsidiary represents an important milestone in the successful implementation of Sika's growth strategy. The new local head office in Dhaka, Bangladesh's capital city, enables Sika to benefit from the potential available in the local construction market, which has a total volume equivalent to CHF15bn and an annual growth rate of 12%.



Local and foreign investments are channelled primarily into the construction of transport and energy infrastructures.

Meanwhile, Sika has further expanded its presence in Africa by opening its first facility for concrete admixtures in Cameroon. The country's building industry is growing significantly under the stimulus of investments in infrastructure and housing construction. Important construction projects

include the expansion of the Kribi seaport in the south of the country, the upgrading of the country's rail network and the construction of stadiums for the 2019 African Cup of Nations.

Sika is already supplying its product solutions manufactured by Sika plants in neighbouring countries for these key projects. Sika recently also commissioned new production facilities in Angola, Nigeria and Ivory Coast.

## AkzoNobel and Black Bear make powder coatings from old tyres

Tyres that have reached the end of the road are being harvested for carbon black and used to produce powder coatings in a new co-operation between AkzoNobel and Dutch company Black Bear.

The Cradle-to-Cradle certified carbon black supplied by Black Bear – which is obtained from end-of-life tyres – is being used as pigment in the eco-premium products developed by AkzoNobel's Powder Coatings business. With this co-operation AkzoNobel not only uses carbon black, traditionally obtained from fossil fuels, with a vastly lower CO<sub>2</sub> footprint but also helps to solve the global waste tyre problem.

"This partnership is a great example of how the supply

chain can contribute to CO<sub>2</sub> savings," said André Veneman, AkzoNobel's Director of Sustainability. "We encourage more suppliers to work with us and collectively contribute to develop more sustainable product solutions."

Added CEO of Black Bear, Martijn Lopes Cardozo: "We are proud to have partnered with AkzoNobel, who are clearly recognised as the leader in sustainable paints and coatings."

Powder coatings are an inherently sustainable product as they contain no volatile organic compounds (VOCs) and produce virtually no waste. The majority of products supplied through AkzoNobel's market-leading Interpon brand also qualify as eco-premium.

## Siegwerk expands in Latin America

Siegwerk Druckfarben AG & Co KGaA, one of the leading international suppliers of printing inks for packaging applications and labels, has signed a contract to purchase family-owned Tupahue Tintas, one of the Brazilian market leaders for flexo and gravure printing inks and varnishes located in Diadema (São Paulo). With this acquisition, Siegwerk expands its presence in the Latin American region and further strengthens its ability to better serve specific local market demands. Since its foundation in 1989, Tupahue Tintas offers innovative ink solutions especially designed for serving the needs of packaging converters in the local market.

The parties have agreed not to disclose any financial details related to the acquisition.

## Safic-Alcan UK acquires Techform Fine Chemicals

Safic-Alcan UK, a major distributor of speciality chemicals and subsidiary of the Safic-Alcan Group, has acquired 100% of Techform Fine Chemicals Limited, a chemical distributor specialising in the construction sector in the UK and Ireland.

"The acquisition of Techform will enable us to strengthen our footprint in the construction sector and widen our Group

expertise in this field," stated Yann Lissillour, Director of Mergers and Acquisitions for Safic-Alcan.

Techform produces and distributes a wide range of polymers, thickeners, accelerators, retarders, shrinkage compensators, defoamers, air entrainers, plasticisers, binders, as well as a speciality additives portfolio grouped under its private label name.

"This fits well and will ensure future growth" added Mike Strong, Director of Techform Fine Chemicals Limited.

"As part of our overall CASE strategy, we see this acquisition as a stepping stone in the UK market and we look forward to further building on this additional expertise within Safic-Alcan," concluded Philippe Combette, CEO of Safic-Alcan.

## BCF launches PaintSafe Initiative

The British Coatings Federation (BCF) in association with the Painting and Decorating Association (PDA) and the Scottish Decorators Federation (SDF), has launched a new initiative 'PaintSafe', which aims to promote the safe use of paint and related products and provide best practice for decorators and other applicators during preparation, application and drying. Working in collaboration with the major paint manufacturers in the UK, the first phase of the campaign focuses on decorative paints, and was launched in November at the 2017 National Painting and Decorating Show. A second phase to promote safe use of industrial paints will be launched late in 2018.

Unveiled as part of the campaign includes a tri-fold leaflet, which outlines do and do not points to follow whilst painting and specific guidelines with regards to lead exposure and preparation. The leaflet is available for download at [www.paintsafe.org.uk](http://www.paintsafe.org.uk) and will be available via trade outlets across the UK in Q1, 2018.



## Eastman expands ketones production

Eastman Chemical Company has announced completion of phase one of a two phase expansion of its ketone manufacturing capacity at its Kingsport, Tenn, operations. Eastman's ketones are coatings additives that are predominantly used in low VOC applications in automotive, wood and industrial coatings. Eastman has been producing ketones at the facility for more than 50 years.

"This investment reaffirms our commitment to the speciality ketones market," said Charles Giaudrone, General Manager of the Additives & Functional Products segment's Coatings and Inks business. "In addition to world class technology improvements to maintain Eastman's quality leadership in the market, the additional capacity enhances our ability to serve our global customer base."

## AkzoNobel to increase colloidal silica capacity in Sweden

AkzoNobel's Specialty Chemicals business has announced it is investing more than €4M to increase production capacity in Sweden for its Levasil CC-branded product line of patented surface modified colloidal silica. The expansion will help meet growing customer demand and will strengthen the company's market leadership position.

A product of two natural ingredients – sand and water – colloidal silica is a versatile product, which enhances and improves key functionalities of other products and manufacturing processes. With production facilities in Asia (Taiwan and China), Europe (Germany and Sweden) and the Americas (Brazil and USA), AkzoNobel is a leading global producer of colloidal silica products. The business' main markets include electronics,



coatings, construction and catalysts, as well as batteries.

"Within our Levasil Colloidal Silica brand, we have a very diverse product portfolio and are experiencing growing demand in various markets, such as coatings, where Levasil CC supports the industry in its switch from solventborne coatings to waterborne alternatives," said Ann Lindgärde, Director of Levasil Colloidal Silica at AkzoNobel.

The expansion, at the Bohus facility close to Gothenburg, is expected to be completed by late 2018.

## NEWS IN BRIEF

### Sun Chemical increases Azo pigment prices

Faced with dramatic increases in the cost of Azo intermediates and related raw materials, Sun Chemical Performance Pigments has raised its global prices on Azo pigments, speciality pigments and their pigment preparations, effective January 1, 2018.

### New website for Sikkens Vehicle Refinishes

AkzoNobel has launched a new website for Sikkens Vehicle Refinishes, which offers customers quick and easy access to product information, technical data and material safety sheets. The website ([www.sikkensvr.com](http://www.sikkensvr.com)) is part of a Sikkens brand refreshment campaign whose tagline 'Creating Together' underlines Sikkens' commitment to work closely with its customers, partners and stakeholders.

### DuPont Zodiaq ree-named Corian Quartz

DuPont Zodiaq is becoming part of the Corian Design family of branded products, services and design solutions. While continuing to be owned by DuPont, the product will be re-branded as Corian Quartz as part of a global design brand, Corian Design, which was introduced earlier this year.

### Covestro names Aleta Richards new CAS head

Covestro LLC announced that Aleta Richards will succeed Christine Bryant as Head of Commercial Operations for its North American Coatings, Adhesives and Specialties (CAS) business, effective February 1, 2018. Richards' appointment follows a recent communication in which Bryant was named the new Head of Polyurethanes in North America, effective the same date.



## DIARY

**February 28-March 2, 2018****Smart Coatings 2018**Orlando, Florida, USA  
www.smartcoatings.org**March 8-10, 2018****PAINTINDIA 2018**Bombay Exhibition Centre,  
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www.american-coatings-show.com**April 17-20, 2018****PaintExpo**Karlsruhe Exhibition Centre  
Rheinstetten, Germany  
www.paintexpo.de**May 22-23, 2018****Surfex**Ricoh Arena, Coventry, UK  
www.surfex.co.uk**May 29-31, 2018****Coatings for Africa**Johannesburg, South Africa  
www.coatingsgroup.com**May 29-31, 2018****UTECH Europe 2018**MECC, Maastricht  
The Netherlands  
www.utecheurope.eu**September 12-14, 2018****FEICA 2018 European Adhesive & Sealant Conference and EXPO**Radisson Blu Latvija, Riga, Latvia  
www.feica.eu**September 13-14, 2018****Asia Pacific Coatings Show**KLCC, Kuala Lumpur  
Malaysia  
www.coatingsgroup.com**October 17-18, 2018****North African Coatings Congress**Hyatt Hotel, Casablanca, Morocco  
www.coatingsgroup.com

## EU round up: More coatings chemicals added to ECHA's rolling chemical safety probe

The European Chemicals Agency (ECHA) has added four chemicals used by the paint, coatings and adhesives sector to its rolling CoRAP programme of assessing in detail the environmental health risks posed by certain chemicals. These investigations are carried out by European Union (EU) member states and their conclusions can spark additional controls being placed on these chemicals.

The new relevant chemicals now under study include the pigment Chromium(III)Oxide, which will be assessed by the French Agency for Food, Environmental and Occupational Health & Safety (Anses). Another – 4,4'-methylene bis(dibutylthiocarbamate) – an anti-oxidant protecting metal surfaces, will be examined by Germany's Federal Institute for Occupational Safety and Health.

Adhesive ingredient Butan-2-one O,O',O''-(vinylsilyldiyl)trioxime, will be screened by Italy's Institute of Health. And polymerisation inhibitor N,N-diethylhydroxylamine is to be assessed by the Swedish Chemicals Agency. See [https://echa.europa.eu/documents/10162/13628/corap\\_list\\_2017-2019\\_en.pdf/c2ea7854-606f-448f-9072-42ce2437dcd7](https://echa.europa.eu/documents/10162/13628/corap_list_2017-2019_en.pdf/c2ea7854-606f-448f-9072-42ce2437dcd7)

• Meanwhile, ECHA's committees for risk assessment (RAC) has agreed that workplace usage restrictions should be imposed on the use of coatings and adhesives ingredient diisocyanates to prevent new cases of respiratory sensitisation associated with the chemical. The EU agency's socio-economic analysis committee has backed the idea comparing the risks to

workers with the chemical's consumer benefits. ECHA will now consider drafting formal controls.

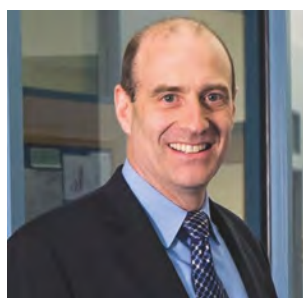
• The RAC however, has rejected a call by Germany to remove an EU classification for coatings stabiliser 2,2'-methylenebis(6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl) phenol) stating that it can cause long lasting harmful effects to aquatic life.

• ECHA and the European Food Safety Authority (EFSA) have been seeking comments on a draft guidance document showing companies how to identify endocrine disruptors, which are controlled under the EU biocidal products regulation. This follows the June 2016 release of criteria for identifying endocrine disrupters. See [https://comments.echa.europa.eu/Comments\\_cms/PC\\_ED\\_Guidance.aspx](https://comments.echa.europa.eu/Comments_cms/PC_ED_Guidance.aspx)

• The European Commission is planning to extend until December 2022, existing environmental impact rules for indoor and outdoor paints and varnishes that are sold in the EU with an official EU ecolabel. These assessment and verification requirements were due to expire this coming December (2018). See <http://data.consilium.europa.eu/doc/document/ST-15550-2017-INIT/en/pdf>

• EU ministers have been advised by their permanent officials to back a planned EU regulation banning any migration of monomer bisphenol A (BPA) from varnishes or coatings applied to food-contact packaging for special food for babies and children. See <http://data.consilium.europa.eu/doc/document/ST-14024-2017-INIT/en/pdf>

### People



#### AMETEK appointment

AMETEK Brookfield has appointed Mr Joseph Plante as Division Vice President/Business Unit Manager. In his new role, Joe will have responsibility for managing the day-to-day operations, while continuing to promote growth, customer satisfaction and innovation at AMETEK

Brookfield. Most recently, he was President of Diba Industries, a subsidiary of Halma plc.

#### Promotion at ICTC Holdings

ICTC Holdings Corporation has promoted Arnold Yong to Director, New Business Development Latin America and Marketing Manager. Mr Yong has been Marketing Manager at Hero Products for more than six years. During his tenure, he has played an active and significant role in the evolution of Hero's growth in Latin America. His marketing experience and relationships with Hero's Latin American customers will continue to be an asset to him, with his new responsibilities.

#### Covestro renews contract with Dr Klaus Schäfer

The Supervisory Board of Covestro AG has extended the contract of Board of Management member Dr Klaus Schäfer by five years until the end of 2022. As Chief Technology Officer, he is responsible for production and technology, as well as all chemical production sites of the company.







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*Cynthia Challenger* discusses recent M&A deals in North America and their impact on the coatings industry

## M&A in North America: A look at the big deals

There are four key drivers of heightened M&A activity in the coatings industry, according to Michael D Brown, President of consulting firm StrategyMark: Economics, globalisation/maturing economies, advances in technology, and 'pure-playism'. "As globalisation proceeds, companies in maturing economies need scale for buying raw materials, manufacturing, logistics and establishing all relevant sales channels and need to acquire growth in other regions given the limited ability to achieve organic growth in their own markets," he notes. Growth in China has also slowed and is not expected to return to the double-digit rates seen previously and, as a result, organic growth in the coatings industry is just 2-3% on both value and volume, which is not sufficient to meet the investment needed to operate, according to Dan Murad, CEO of The ChemQuest Group.

### ■ KEY FACTORS

The need for growth in a low-growth environment, combined with cash-rich balance sheets, has contributed to the robust M&A activity we are currently experiencing in the coatings and resins markets, agrees Andy Hinz, Managing Director at Grace Matthews. He adds that the ability of large coatings companies to generate synergies by bolting-on complementary players is a contributing factor as well. "Among the majors in coatings, it's also become a 'race to the top' where size and scale generally lead to a stronger competitive position," Hinz says. In addition, advanced automation and digital technologies (ie, enterprise resource planning systems) are enabling bigger companies to run multinational companies more efficiently and cost-effectively. There is also, according to Brown, a desire to create businesses that are 'pure' paints and coatings to accommodate shareholder



needs (higher multiples) and allow better management of the business model.

### ■ MEGA-DEALS

The recent mega-deals that have occurred – PPG's acquisitions of AkzoNobel's North American architectural coatings business and Mexican Consorcio Comex and the recent merger of Sherwin-Williams and Valspar on the formulator side, the combinations of Allnex with Nuplex and Reichhold with Polynt in the resin sector, and the formation of DowDuPont in the raw materials segment – are of particular interest.

For coatings manufacturers, consolidation has provided leverage in the value chain to achieve more secure and lower raw materials and to maintain higher prices, which has led to healthy margins and significant cash generation, according to Murad. "Shareholders want to get value out of that cash. Having readily available money and access to additional dollars at low interest rates makes mega-deals possible. The synergies gained by combining complementary businesses makes these types of deals attractive as well," he observes. The fact that public companies related to the coatings, adhesives and

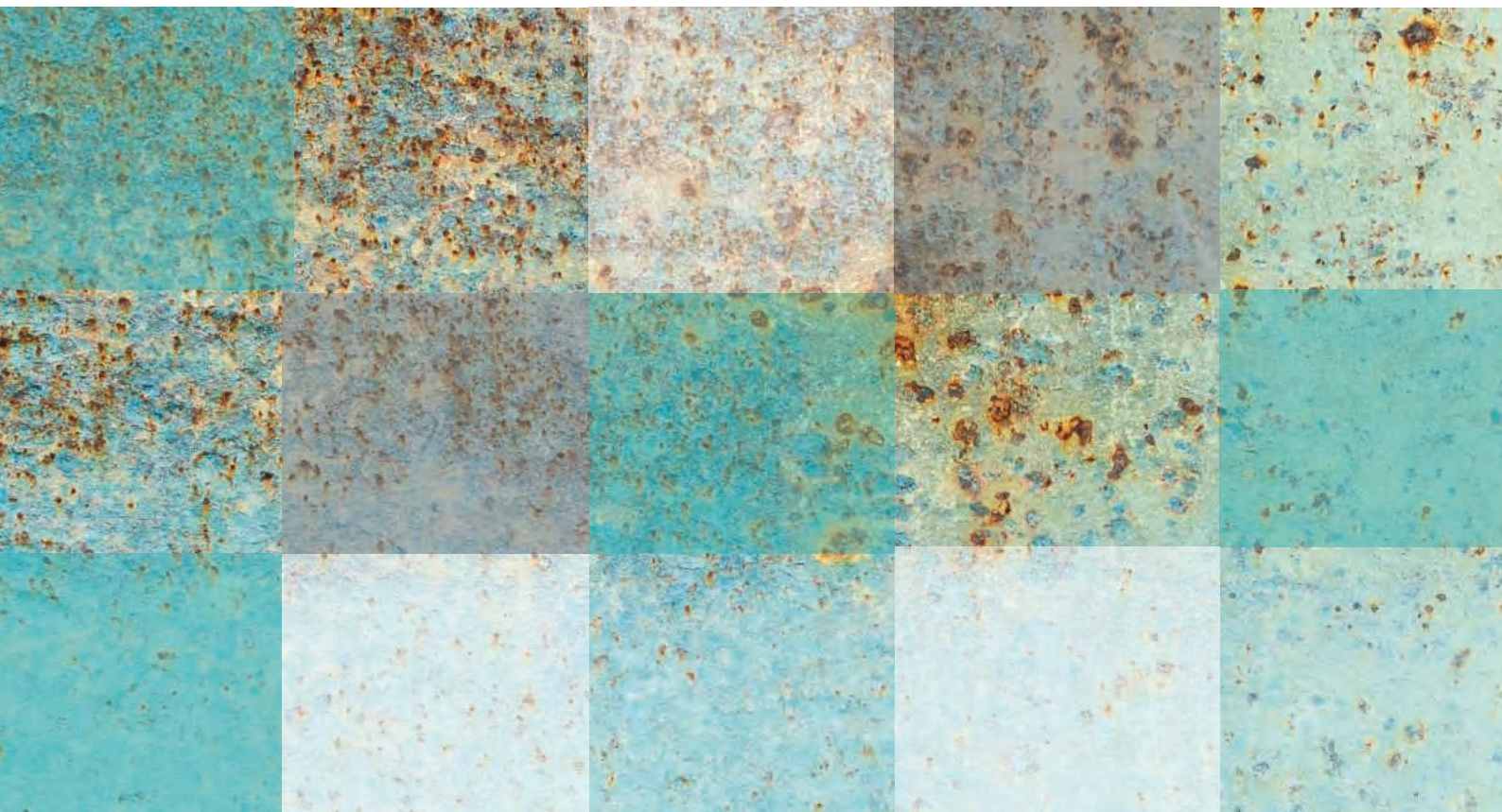
sealants markets are outperforming the broader chemical industry by wide margins is also creating more opportunities for capital investments, both at the individual and corporate levels, according to Eric Dumain, North America Commercial Director for Arkema Coating Resins.

There are additional considerations in the coatings industry, he adds. "Strengthening markets in both the architectural and industrial sectors make leaders in those industries especially attractive to larger entities with investment capital. At the same time, many paint and coatings companies are taking advantage of the current economic environment that features access to debt markets to increase their investment across the product chain, allowing them to better anticipate and react to raw material volatility."

### ■ IMPACT OF M&A ACTIVITY ON COATINGS INDUSTRY

What do all of these large deals mean for the paint and coatings industry? There are both positive and negative impacts, according to Murad. On the positive side, consolidation has allowed paint companies to gain pricing and margin discipline. ➤ **13**





# In Focus: Your multi-level corrosion protection

The modified orthophosphates are the milestone that originally established Heubach's industry leadership in chrome-free anticorrosive pigments.

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Since their market introduction the modified orthophosphates set new standards in the industry and are still among the most popular anticorrosives in the protective coatings world.





In his column this month, *Terry Knowles* discusses two hot topics for 2018: Biocides and surfactants

## Two of a kind for formulators

It's often a good thing when market research companies are on the ball with growth sectors or hot topics which are likely to influence industries and markets in the very near-term. The biocides segment comes under close scrutiny in the coming year as many active substances come up for approval (or otherwise) in spring 2018 under the auspices of the EU Biocidal Products Regulation (Regulation No. 528/2012).

### ■ BIOCIDES

Bearing in mind the above, the recent publication of *Biocides (2nd Edition)* by Ceresana is likely to be of interest to many looking for insights into how the industry and market will evolve in the coming years.

For clarification, the aforementioned regulation distinguishes between four main product groups:

- Disinfectants (hygiene products and water treatment)
- Material protection products (wood preservatives, preservatives for paints, plastics, lubricants, adhesives, paper and textiles)
- Pesticides (against viruses, bacteria, mites, algae, fungi, insects, snails, nematodes, rodents and birds)
- Other biocides (antifouling agents and products for embalming and preparation of carcasses)

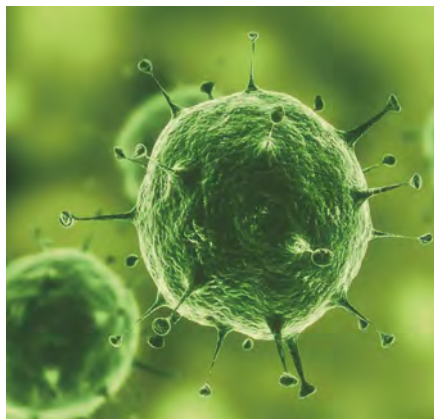
Biocides are only used in relatively small amounts but the value that they confer via product formulations in terms of substrate lifetimes and protection generated a global market worth US\$6.6bn in 2016. The report predicts that revenue growth to be at an average of 2.1%/yr in the coming years.

### ■ REGIONAL INSIGHTS AND DIFFERENCES

With a share of about 41% of global consumption, North America emerges as

the largest regional market for biocides. This region also accounted for the highest revenues in 2016. Asia Pacific and Western Europe followed, ranking second and third.

Without exception, all regions of the world use the highest collective quantities of biocides in the water treatment segment. After that, there is a divergence in the strengths of the other applications relative to one another. Wood preservation uses followed as second in Eastern Europe, North America and South America. In Western Europe however, disinfectants ranked second, while in Asia, the paper industry is second. Biocidal uses in plastics emerged as the runner-up place in the Middle East and African region.



Leaving aside the Asian markets of South Korea and Japan, the findings of the report point to all of the other Asian markets increasing their market shares on the world stage by 2024 to a collective 25%, at least. Much of this outcome in terms of growth will arise at the expense of the predominance of the markets of Western Europe and North America, where demand is already sizeable but saturated. Where growth is likely to arise in these mature regional markets it is likely to come from product substitutions. In this regard, legal requirements, as well as health

concerns and trends in the environmental consciousness are of vital importance.

This report analysed, among others, which role the individual types of biocides play on the global biocides market. The worldwide highest revenues in 2016 were generated with biocides based on halogen compounds, followed by biocides based on metallic and organosulfur compounds. Revenues generated with biocides based on halogen compounds that are, for example, used for tap water treatment, created a market of more than US\$2bn in 2016. Often several ingredients are combined to generate synergic effects, compensating and complementing their relative strengths and weaknesses. Were this not to be the case, the industry would have to continue with long endeavours in testing and bringing things to the market.

### ■ SURFACTANTS

In another literary arrow aiming to reach the formulated products sectors, Ceresana published another study at the end of 2017, this time called *Surfactants (3rd Ed)*.

Surfactants can form a foam, facilitate the removal of dirt and enable the mixture of water and oil. Such surface active agents are found in almost every household and are also used in numerous industrial applications. In 2016, a worldwide turnover of almost US\$31bn was achieved with surfactants. This latest report expects a growth of revenues of, on average, 3.1%/yr.

Surfactants are made from petroleum derivatives but can also be obtained from natural raw materials, such as sugar, vegetable oils or vegetable soaps. The types of surfactants differ mainly in their opposed polarity and different charges. *Surfactants (3rd Ed)* examines anionic, cationic, non-ionic and other surfactants. Anionic surfactants are currently the most important group with a global market share of 49%. However,

the strongest growth market remains that of non-ionic surfactants and fatty alcohol ethoxylates (FAEO) dominate this chemical subsegment.

Asia is by far the largest surfactant consumer with a global market share of 38%. There are clear distinctions to be made with regard to the product types in use: while Asia accounted for a market share of 43% of alkylbenzene sulfonates in 2016, consumers in Western Europe and North America dominate the market for alkyl sulfates (FAS), alkyl ether sulfates (FAES), and alcohol ethoxy sulfates (AES) with a share of 60%.

Surfactants are employed in a variety of application areas. For the paints and plastics sector, Ceresana expects the highest global increase of around 2.1%/yr up until 2024. Other industrial applications include cosmetics and textiles but these have to be borne within the context of the fact that cleaners and detergents for household use represent 55% of the market.



While demand for laundry detergent in form of powder has developed at a weaker rate in the past years, the market for liquid and highly concentrated detergents has brought significant growth. In the segment of dishwashing detergents, tablets account for considerable growth. A decisive factor for the development of the cosmetics industry is the rise of private

consumption. The increasing demand for surfactants on the part of the cosmetics industry can be explained by the growing awareness of personal hygiene and the available income that has been increasing in many countries in the past years. This trend is additionally reinforced by the increasing sales of products with natural and organic ingredients.

**PPCJ**

#### Report details

1. *Biocides (2nd Edition) and Surfactants (3rd Ed)* were both published by Ceresana at the end of 2017. Each title is priced at €3300 for a single hard copy. For more information on these reports, email [info@ceresana.com](mailto:info@ceresana.com)

**Author:** Terry Knowles, Freelance Writer  
[paintwriter@gmail.com](mailto:paintwriter@gmail.com)

< 10 They are also raising the threshold for house accounts and rationalising product lines, SKUs and formulas. As a result, customers buying smaller volumes of paint and coatings now have to purchase products through distributors or from smaller or regional players, which is creating opportunities in this segment of the market. "There is, however, growing pressure on small and medium-sized companies to differentiate themselves even more. As the big firms get even bigger, they are driving specifications and standards that are favourable for themselves and less favourable for smaller companies," Murad comments. Dumain sees this trend as providing opportunities as well. "As larger companies look for more synergies and grow stronger, many small to mid-sized companies may find themselves struggling to compete against the scope and scale of these 'mega-firms' but they will also find themselves with new opportunities to prove their value through differentiated services, niche technology offerings and nimble commercial organisations," he says.

On the negative side, Murad believes that consolidation has slowed down innovation. "Without fierce competition and the need to fight for every single customer by constantly having to innovate, these companies are becoming complacent." Finally, he notes that there has been significant 'brain drain' due to rationalisation of senior personnel following big deals, which has resulted in more outsourcing of product development and an increase in open innovation activities.

Looking more closely at specific deals reveals individual drivers and impacts. The Sherwin-Williams/Valspar deal was all about competition, according to Hinz. "The acquisition of Valspar by Sherwin-Williams was in response to the PPG acquisition of AkzoNobel's North American architectural coating's business. Sherwin-Williams had to do something to retain its premium position. Valspar had stores and distribution channels, specifically Big Box and hardware stores that serve homeowners, that are complementary to Sherwin-Williams' own stores that also sell to contractors," explains Steven Nerlfi, a Principle with consulting firm Kusumgar, Nerlfi & Growney. Valspar's business was highly complementary to Sherwin-Williams in terms of its international presence and in key markets like industrial and packaging coatings, according to Hinz. "The deal allowed Sherwin-Williams to leapfrog PPG as the largest coatings company in the world and allows S-W to strengthen its competitive position in several key coatings markets," he concludes.

Looking at the resins segment, the two major deals that occurred recently (Reichhold/Polynt and Allnex/Nuplex) are significant, according to Hinz, because four major resins companies are now two. "Coatings formulators who may have formerly purchased from these four companies now have fewer suppliers from which to buy resins. Most coatings formulators prefer to be dual-sourced for most of their resin requirements. Some may need to qualify a second source of resin supply if they 'lost' one supplier due to

consolidation," he observes. Dumain also notes that how these firms transfer their collective knowledge and cultures across boundaries will have ramifications for the rest of the industry. On the raw material side, the formation of DowDuPont is unlikely to impact the coatings supply chain over the next several years, according to Brown.

Going forward, continued M&A in the coatings industry will involve small/mid-sized "bolt-on" deals given the current market structure. "These deals tend to be lower-risk opportunities that provide new products/technologies or access to new geographies," Hinz says. Nerlfi adds that most future acquisitions will be made by coatings companies looking to enter into niche markets and high-value segments such as aerospace, wood, and packaging coatings. With low interest rates, high multiples and few targets in the coatings sector, Brown expects to see more divestitures and portfolio swaps than true consolidation. In the broader chemicals industry, however, Hinz expects other large transformational deals to occur as major chemical suppliers fight to maintain their competitive positions.

**PPCJ**

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PPCJ's columnist, **Joe Powder**, provides answers to readers' questions on aspects of the powder coating process

## Ask Joe Powder

**G**ood morning Joe – There is competition among powder suppliers. One after the other is bringing aggressive pricing to get the business, which is very attractive to purchasing. What basic criteria should be adopted when comparing products to understand if one will be cost effective and meet quality expectations?

Your comments and guidance will be greatly appreciated. Thanks,  
*Kaleem Muhammad, Montreal*

**A.** Dear Kaleem – This is a very pertinent question in economically changing times and with an industry that has been described as 'mature'. Everyone is hungry for business. Consequently, powder coating suppliers are being aggressive in their quest for market share. Here is how I would approach this avalanche of prospective suppliers:

In choosing a vendor I examine four crucial aspects of the supply relationship: quality, price, service and supply.

Initial quality can be gauged through specification testing. If you do not have a specification for your product needs, establish one. This gives you a measuring stick to compare the quality of various suppliers. Be wise to perform qualification testing over production-real substrates and processing conditions. I would have your candidate suppliers submit test results (lab test panels, data and a report) per your specification. If convinced of the product's preliminary quality then take the qualification process a step further by running a production trial over relevant substrate(s) using your pretreatment, application and curing systems. Then test these samples for pertinent specification performance including solvent resistance and corrosion testing. Test more than one product to confirm consist performance throughout their product lines.

In addition a Technical Data Sheet (TDS) and Safety Data Sheet (SDS) should be provided for every product offered to you. The TDS will detail the performance expected of the product including recommended curing conditions. The SDS will explain the presence of hazardous ingredients (if any), personal protective equipment, handling procedures and disposal issues.

Ongoing quality should be monitored by requiring a certificate of analysis (CoA) for every shipment. I would ask for colour, gloss, cleanliness and particle size measurements to be included in every CoA. A CoA should represent every batch of powder manufactured. If more than one batch is included in a shipment then the appropriate number of CoAs should be provided.

Look at value not only from a cost per kilogram (or pound) basis but rather from an applied cost basis. This requires you to look at the specific gravity of the product and calculate theoretical coverage per kilogram. This can be calculated using this equation:

$$\frac{1000}{(\text{film thickness } (\mu\text{m}) \times \text{specific gravity})} = \text{m}^2/\text{kg}$$

This value is the theoretical coverage of one kilogram of powder at a specified film thickness assuming 100% transfer efficiency. You have to consider the transfer efficiency carefully. Powders from different suppliers will vary in application properties and therefore film build.

Ask your prospective suppliers about how they intend to support your manufacturing goals. How often can you expect a visit from a technically capable individual? How big is their technical service staff and how quickly can they respond when you have a problem? Keep in mind that sometimes a smaller company can out-serve a larger one because they may view your business as more important. And

also realise that ultimately you are buying from people and not a company. Do you trust your primary contact? Can you believe his or her explanations and commitments? Does their company support them? Will they include support efforts, such as regular visits and line audits?

Finally, how will they support your physical needs? Will they always keep an inventory of your products on hand? What's their turnaround time on existing products? What is their turnaround time on new products or small custom batches?

One of the best ways to assess a potential supplier is to pay them a visit. Take a look at their manufacturing and quality control processes. Also take time to meet their internal support people (inside sales, shipping, technical, etc). Do they instil confidence that they will support you?

A successful relationship with a supplier requires more than just price per kilogram. You have to consider them part of your team to meet your customers' demands. Will they embrace your needs as their own? In the end, it's not always the vendor with the cheapest products that will bring the most value to your operation.

I hope that this helps. Please let me know if you have any more questions. Best regards, Joe

**Joe – My powder coater has tried to stop 'fish eyes' in an aluminium die cast part for a motorcycle. (Head light visor) This part is bare polished aluminium that was sand-blasted, cleaned, baked, cleaned again and painted. I have given him two parts off different bikes only to have the same effect. He's an experienced coater and is very good at what he paints. He told me that he has seen this a few times and the best method to fix it is to wrinkle the part? Any help? Thanks,**  
*Richard, Baltimore MD*





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**A. Richard** – Sounds like you're getting a little frustrated. From what you describe there are a couple of possibilities. Die cast metal parts have a certain degree of porosity depending upon how they were cast. Surface preparation and cleaning are vital. However, the porosity may cause outgassing defects as the powder coating is baked. This can happen when cleaning materials (water, solvent, etc) or air escape from the pores as the powder melts and hardens. The remedy for this is pre-baking the casting before the powder is applied. Best results are obtained when the part is coated before it completely cools. This

allows the volatiles to escape before the powder is deposited on the part.

If this isn't the root cause of the problem, then your coater may be experiencing a contamination issue. Oils, lubes, silicone sealers and other powders (especially acrylics and silicone-based ones) can cause catastrophic fisheye cratering. Something as seemingly innocuous as WD-40 can wreak havoc on a shop. Contaminated media in a blasting cabinet can also be a source of fisheyes. The solution for this lies in isolating the cause and eliminating it. The source can be the coating environment or the compressed air. Overloaded air

filters and traps can harbour compressor lubricants that can be fatal to a powder coating operation.

If you can send me a photo of the defect I may be able to differentiate if it is an outgassing problem of a contamination issue.

Please let me know how things are progressing. Best of luck,  
Joe

PPCJ

Please send your questions and comments to:  
[askjoepowder@yahoo.com](mailto:askjoepowder@yahoo.com)

Letters to and responses from Joe Powder have been edited for space and style – Ed

## Paints and varnishes based on potato starch

If a surface has to be protected against corrosion, in 80% of cases this takes place through coating it with paints or varnishes. When doing so, the proportion of bio-based, environmentally-friendly solutions is extremely small. In co-operation with researchers at the Fraunhofer Institute for Applied Polymer Research IAP, the Fraunhofer Institute for Manufacturing Engineering and Automation IPA are looking to close this gap and are developing a cost-effective coating based on renewable raw materials. The emphasis of the research is on potato starch.

Climate change, finite resources and increasing burdens on the environment mean that more and more industries are focusing on sustainable production. This is also the case in the production of coatings, such as paints and varnishes. In Germany alone, 100,000t of coating materials for protection against corrosion are produced every year. However, in the past, paints and varnishes with bio-based binders or film formers have usually been too expensive or could not meet the requirements. Through the use of modified starch, scientists at the Fraunhofer IAP have found a way which, even in this field, makes sustainable and cost-effective solutions possible. "Previously, traditional industrial fields of application of starch have been the paper/corrugated cardboard and adhesives industries," says Christina Gabriel, a Scientist at the Fraunhofer IAP in Potsdam-Golm. "In the field of paints and varnishes on the other hand, starch was usually only used as an additive. With starch as the main component of a water-based dispersion, we now have very promising adhesion results." At the centre of the research is the coating of metals for indoor use, for example aluminium, which can be used for fire doors, computer housings or window frames.



**In future, indoor aluminium surfaces could be cost-effectively coated with paints based on potato starch**

### ■ FROM POTATO STARCH TO FILM FORMER

The use of starch as the main component of paints and varnishes posed various challenges to the Fraunhofer experts. "Film formers must fulfill several tasks. They must form a continuous film, which adheres well to the substrate material, is compatible with additional layers and additives and can embed pigments and fillers," explains Christina Gabriel. "In its natural form, however, starch exhibits several properties, which stand in the way of its use as a film former. For example, it is not soluble in cold water and neither does it form continuous, non-brittle films. We therefore had to modify the starch to adapt it to the requirements, as in spite of all the challenges, as a renewable and cost-effective raw material, starch is of great interest for many sectors."

The solution by the Potsdam scientists involves the starch initially being broken down in order to improve its solubility in water and the subsequently associated solids content of the starch in water, as well as its film forming ability. However, in order to produce a starch-based coating material

that is comparable with a conventional coating, this is not yet sufficient, as although the film former should initially be soluble or dispersible in water, the coating must subsequently no longer dissolve in water. The starch must, therefore, be modified further. This takes place by way of a chemical process known as esterification. The resulting starch esters are dispersible in water, form continuous films and have very good adhesive properties on glass and aluminium surfaces. In co-operation with the Fraunhofer IPA, the esterified starch is then 'crosslinked' through which the sensitivity of the coating to water is reduced further. The stability tests to check the long-term stability are then also carried out at the Fraunhofer IPA. In the tests, the coated materials are exposed to rapidly changing temperature cycles in a time-compressed form to simulate the change from day to night and the course of the seasons. In addition, the test objects are exposed to electrolyte-enriched water in order to see how the coating reacts to water and how resistant it is under extreme conditions.

### ■ ALTERNATIVE TO PETROLEUM-BASED FILM FORMERS

In the next step, the resistance to corrosion and adhesion of the modified starch on different metal substrates is examined. New 'recipes' are also being tested, which are intended to optimise the properties of the coating even further. "Apart from the already tested aluminium, two other important metals, steel and galvanised steel, are to be tested" states Gabriel. "Our investigations show that with its good film forming and very good adhesion properties on various materials, starch esters have the potential to be future alternatives to petroleum-based film formers in the coatings industry." [www.iap.fraunhofer.de](http://www.iap.fraunhofer.de)

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**Dave Alexander**, Thor Group, discusses the value of exterior exposure testing trials when developing formulations containing algicidal and fungicidal actives

# The role of global exterior exposure testing in formulating ideal dry film biocides

Elevated temperature in combination with excessive precipitation, humidity or moisture creates ideal conditions for fungal and algal proliferation on coatings. In order to maximise the longevity of coatings under such conditions, coating manufacturers have to develop robust formulations containing algicidal and fungicidal actives. Evaluation of resistance to biological defacement on a given coating is achieved by a combination of accelerated laboratory tests and prolonged field exposure evaluations in selected locations to account for regional climatic conditions and microflora. This paper covers results of field evaluations.

## TEST DATA

This paper focusses on exposure sites in southern Germany, north eastern Australia, western Malaysia and western India. Results are shown following two to six years' exposure.

Calcium silicate-based panels were primed before coating according to the manufacturers' recommendations. Cured panels were placed on exposure racks at relevant regional orientations and evaluated by visual inspection at regular intervals.

### Germany

#### Test conditions

Climate: temperate  
Annual rainfall: 80mm  
Humidity: 64-86%  
Temperature: <0-35°C  
Location: Southern Germany

Coatings containing dry film preservatives in all three trials showed significantly less biological defacement than preservative-free coatings.

### Australia

#### Test conditions

Climate: tropical  
Annual rainfall: 1276mm  
Temperature: 22-31°C

In addition to high rainfall and elevated radiation levels, panels are consistently



Blank AMME 2-Octyl-2H-isothiazol-3-one (OIT)  
AMME Diuron  
Total 1500ppm active

**Figure 1. Germany: Commercial silicate exterior paint; Orientation: 60°, north-east facing; Duration: 2½ years**

moist on average 232hr/month throughout the year due to condensation.

Panels 1 & 2 (incorporating AMME™ technology) clearly show a significant reduction in defacement at similar or lower levels of actives than biocide combinations without AMME technology (**Figure 4**).

### Malaysia

#### Test conditions

Site: West Malaysia  
Annual rainfall: 2000mm  
Average temperature: 32°C  
Humidity: 70-75%

Algal colonisation predominated in unprotected samples. Significantly lower levels of AMME actives offered better protection against defacement than the regular IPBC / Terbutryn product.



Blank AMME OIT  
AMME ZPT  
AMME Terbutryn  
Total 1700ppm active

**Figure 2. Germany: Commercial exterior acrylate paint; Orientation: 45°, south facing; Duration: Six years**



Blank AMME OIT  
AMME Zinc pyrithione (ZPT)  
AMME Terbutryn  
Total 850ppm active

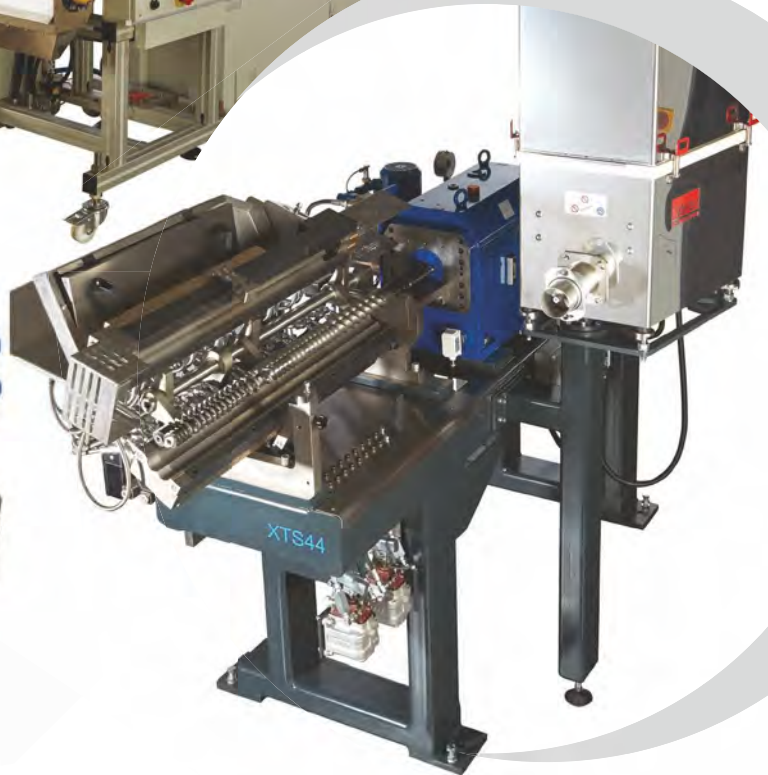
**Figure 3. Germany: Commercial exterior render; Orientation: 45°, south facing; Duration: Six years**



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**Key:**

Panels 1 – 2: AMME™ OIT + AMME™ IPBC + AMME™ Diuron

Panels 3 – 4: DCOIT + IPBC

Panels 5 – 6: DCOIT + Terbutryn

Panels 7 – 8: Isoproturon + Terbutryn + IPBC

Panels 9 – 10: Blank

Total Active 2000 ppm

Total Active 2050 ppm

Total Active 2200 ppm

Total Active 2100 ppm

\*IPBC: 3-iodo-2-propynyl-butylcarbamate\*\*

DCOIT: 4,5-dichloro-2-octyl-2H-isothiazol-3-one

**Figure 4. Australia: Commercial exterior acrylate paint; Orientation 45° south facing; Duration 21 months**

**India**

**Test conditions**

Site: West India

Annual rainfall: 6300mm

Average temperature: 22°C

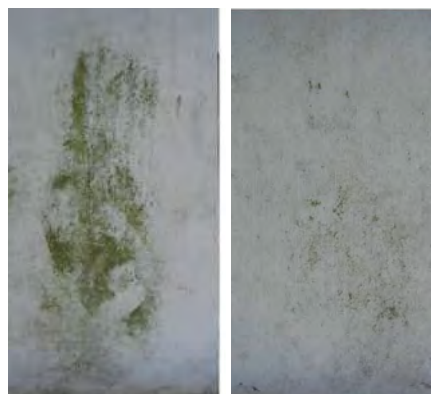
Standard preservation typically includes a fungicide and an algicide with levels in excess of 10,000ppm, due to extreme algal growth. Paints contained a blend of algicides (Diuron and Terbutryn) or only AMME Diuron (Figure 6). At the end of the test period, significantly less growth occurred on the panels containing 3000ppm AMME Diuron compared to 10,000ppm free algicides. This usually results from enhanced retention of algicide in the film due to the AMME technology.

In order to quantify the extent of algicide retention, AMME Diuron and commercial (free) Diuron were added separately to a commercially available exterior paint. Levels of Diuron in the cured coatings were determined by HPLC analysis prior to exposure and following three successive monsoon seasons.

Although Diuron was lost from coatings containing both AMME and standard technologies, retention of AMME Diuron was significantly greater than standard Diuron (Figure 7), preventing algal growth on coatings containing the AMME Diuron.

**LEGISLATIVE ASPECTS**

The EU Biocidal Products Regulations (BPR) and the Classification, Labelling and Packaging of hazardous substances (CLP) under the Globally Harmonised System (GHS) legislation EC1272/2008, have dictated the availability and use of biocides in Europe and the import of products



5000ppm Standard  
(free) Diuron + 5000ppm  
Standard (free)Terbutryn

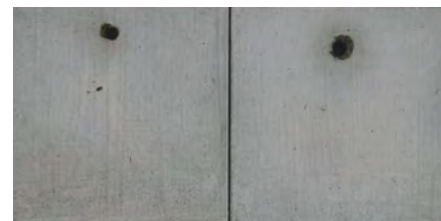
3000 ppm AMME Diuron

**Figure 6. India: Commercial exterior acrylate paint; Orientation 45° north facing; Duration three monsoons (three years)**

containing biocides (treated articles) into EU states. **Table 1** shows the labelling limits for Diuron and AMME Diuron containing products marketed in and sold to the EU.



AMME OIT + AMME IPBC + AMME Diuron  
Total Active 3000ppm



IPBC + Terbutryn  
Total Active 4500ppm

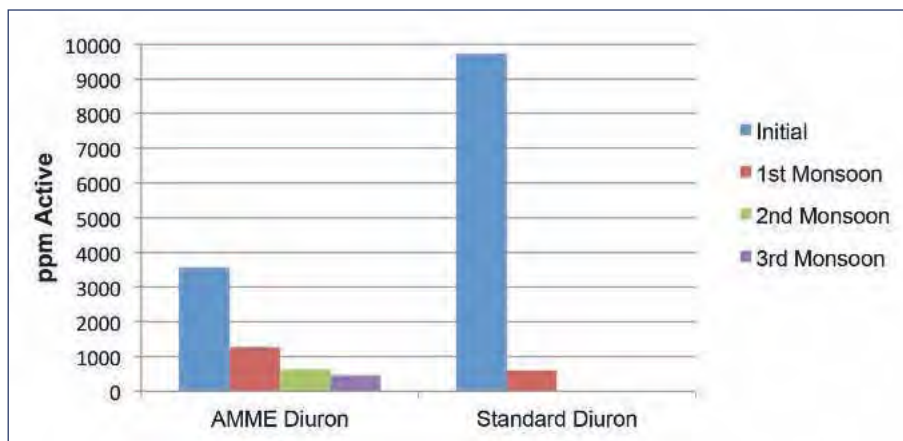


Blank

**Figure 5. Malaysia: Commercial exterior acrylate paint; Orientation: 60° south facing; Duration: two years**

The reduced release or availability of AMME actives results in lower bioavailability of the active. This principle has been recognised by the EU authorities, which means that the hazard classification is reduced, based solely on the available or 'free' active content, which may be as low as 10% of the total content. An example of this reduced classification is a product containing 10% AMME Diuron but the actual environmental hazard classification is based on the 1% bioavailable active content only, allowing for possible 'clean label' application.

**Figure 7. Analysis of residual active in dry film after three monsoons**





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Active	Label	Concentration Limits	Pictogram
Diuron	Aqu. Chron. 2, H411	0,25% ≤ C < 2,5%	
	Aqu. Chron. 3, H412	0,025% ≤ C < 0,25%	Nil
AMME™ Diuron	Aqu. Chron. 3, H412	0,25% ≤ C < 2,5%	Nil
	Nil	0,025% ≤ C < 0,25%	Nil

Key: H411: Toxic to aquatic life with long-lasting effects; H412: Harmful to aquatic life with long-lasting effects

Table 1. Labelling limits according to EU CLP for treated articles containing biocides

## DISCUSSION

Long term exposure tests have clearly shown the critical role of restricted release actives in formulating ideal dry film biocides.

Superior performance of AMME actives can be attributed to a number of factors:

- A.** Reduced potential for chemical degradation in the can, resulting in higher levels of active available at the time of application.
- B.** Reduced loss of active in-service following UV light and heat exposure.
- C.** Reduced leaching due to precipitation and condensation retains optimum levels of active in the film for longer and minimises biocide release to the environment. This is particularly relevant to actives with higher water solubility, such as OIT, Diuron and IPBC.
- D.** The optimised ratio of AMME actives provides broad spectrum performance against multiple fungal and algal species

Other factors influencing film preservative retention/loss include: type of binder, pigment volume concentration (PVC), sheen and coating thickness. Lower PVC pure acrylics show better film preservative retention and, hence, better resistance against biological defacement.

## CONCLUSION

Biological defacement of coatings in various climates can be significantly reduced by using restricted release actives in the correct proportions. The value of exterior exposure testing cannot be overestimated. Results from exterior exposure trials, as shown in this paper, have confirmed the extended performance attributes of AMME actives in some of the world's most adverse climates. Besides adding longevity against defacement to the coating, other regulatory advantages apply, as well as reduced release of fungicidal and algicidal actives into the environment.

PPCJ

AMME™ OIT
<ul style="list-style-type: none"> <li>▪ Broad spectrum</li> <li>▪ Reduced leachability</li> <li>▪ Reduced sensitisation potential</li> <li>▪ Reduced emissions</li> <li>▪ Degradation potential reduced</li> <li>▪ Improved alkaline stability</li> </ul>
AMME™ IPBC
<ul style="list-style-type: none"> <li>▪ Broad spectrum</li> <li>▪ Reduced leachability</li> <li>▪ Reduced discolouration potential</li> <li>▪ Reduced emissions</li> <li>▪ Improved alkaline and UV stability</li> </ul>
AMME™ Zinc pyrithione
<ul style="list-style-type: none"> <li>▪ Broad spectrum</li> <li>▪ Reduced leachability</li> <li>▪ Reduced discolouration potential</li> <li>▪ Improved in-can stability</li> <li>▪ Improved alkaline stability</li> </ul>
AMME™ DCOIT
<ul style="list-style-type: none"> <li>▪ Broad spectrum</li> <li>▪ Reduced leachability</li> <li>▪ Reduced emissions</li> <li>▪ Improved in-can stability</li> <li>▪ Improved alkaline stability</li> <li>▪ Improved UV stability</li> <li>▪ Reduced sensitisation potential</li> </ul>
AMME™ Diuron
<ul style="list-style-type: none"> <li>▪ Reduced in-can degradation</li> <li>▪ Reduced leaching</li> <li>▪ Improved ecotox profile</li> <li>▪ Longer term performance</li> </ul>
AMME™ Terbutryn
<ul style="list-style-type: none"> <li>▪ Reduced in-can degradation</li> <li>▪ Reduced leaching</li> <li>▪ Improved ecotox profile</li> <li>▪ Longer term performance</li> </ul>

Table 2. Attributes of AMME actives

**Author:** Dave Alexander  
Thor Group Technical Manager – Industrial Biocides  
Thor Group Limited, Bramling, Canterbury CT3 1NB, UK  
**Email:** dave.alexander@thor.com  
**Website:** www.thor.com

# Scaling to new heights with gecko-inspired adhesive

Some animals, such as geckos, can easily climb up walls and across ceilings. But currently, no material exists that allows everyday people to scale walls or transverse ceilings as effortlessly. Now, scientists report in *ACS Applied Materials and Interfaces* a dry adhesive that could someday make it easier to defy gravity.

Geckos can scale walls because of their unique toe pads that help them quickly attach and detach from surfaces. Interestingly, gecko toe pads are covered with

bristle-like layers of a stiff material called keratin. The bristle-like structure of the keratin in a toe pad helps it to stick — each pad is covered with microscopic pillars, which then branch out at the tips into even smaller structures. Scientists have manufactured dry adhesives with similar properties but they haven't been as sticky as gecko toes. Some methods involve the use of layers but the first layer is usually damaged as successive ones are applied. Other methods are not easily scaled up. Hemant Kumar Raut, Hong



Image: sarayuth3390/Shutterstock.com

Yee Low and colleagues wanted to create a dry adhesive that was ultra-sticky but also simple to fabricate in large batches.

The researchers made a dry adhesive with stiff polycarbonate using a nanoimprinting technique to build web-like layers. This method is cost-effective, easy

to perform and is scalable. To prevent damage to the first layer, the team used a sacrificial layer, which was dissolved away after the second layer was applied. In repetitive attachment and detachment tests, only a 20% decline in stickiness occurred after 50 cycles. This level of adhesion lasted for up to 200 cycles.

The researchers say that their film's adhesion was comparable to that of a gecko. The team also placed the adhesive film on the feet of a miniature robot, which moved with ease up a 30° incline.

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Emmanuelle Yvon, Dow Microbial Control, discusses solutions to address future EU regulatory restrictions on MIT

# How do we protect paints and coatings from microbial contamination in the future?

In the coming years, significant changes to European legislation will impact paints and coatings manufacturers within and suppliers into the EU market. For example, the European Chemicals Agency (ECHA) risk assessment committee's (RAC) proposal to lower the specific concentration limit (SCL) for MIT (2-methyl-2H-isothiazol-3-one) from 1000ppm to 15ppm poses a big challenge to industry.

The legal implementation of this new opinion is expected around 2019 to 2020 and creates a timeline of consequences for the formulators relating to the CLP regulation (Classification, Labelling and Packaging) and BPR requirements as outlined in **Figure 1**. Finished products with concentrations higher than 15ppm of MIT will have to be labelled with the CLP health hazard pictogram 'exclamation mark' (see **Figure 2**) and with the CLP hazard statement H317: "May cause an allergic skin reaction". As a consequence of this, new CLP implementation, paints containing  $\geq 15$  ppm MIT will no longer be compliant with the European ecolabel.

Further, based on the proposed timelines, come 2023, it is possible MIT could no longer be used above 15ppm in consumer products. According to the

BPR Annex VI Paragraph 63, the use of MIT in consumer products may not be approved where the active substance is present at concentrations above the SCL for skin sensitisation.

## ■ ONE ACTIVE ALONE CANNOT PROVIDE IN-CAN PRESERVATION OF PAINTS IN THE FUTURE

There are currently about 50 active substances that are included in the ECHA Article 95 List for Product Type 6 (preservatives for products during storage). Most of them are currently under review and their use could potentially be restricted or limited in the future.

The main biocides used today in the paints and latex industry are CMIT/MIT (CAS 55695-84-9), Bronopol (CAS 52-51-7), MIT and BIT (CAS 2634-33-5). Due to limitation of CMIT/MIT to 15ppm 15 years ago, a blend of MIT and BIT is most commonly used to preserve paints today. CMIT/MIT can also be used in addition to provide quick kill activity and enhance protection against fungi. It is unlikely that there is a single formulated product to replace BIT/MIT blend at the same level. Other interesting active combinations can

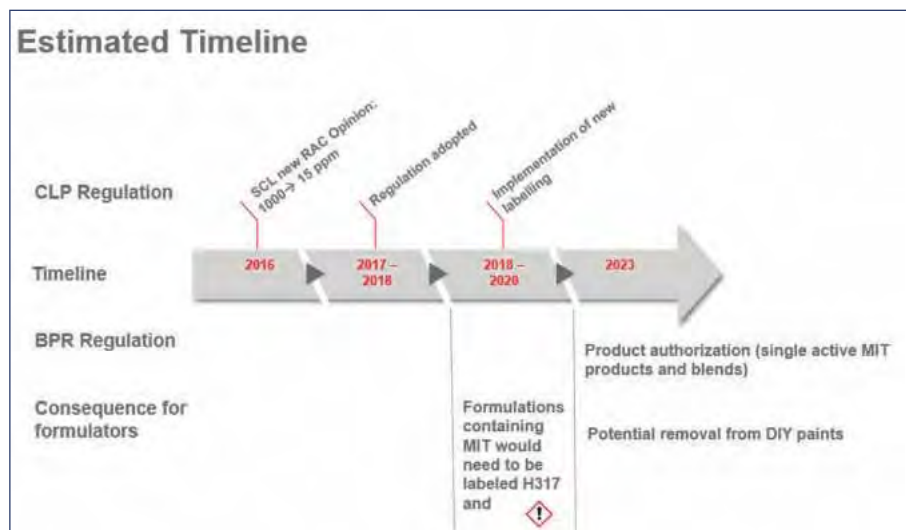
be used depending on their compatibility and stability in paints:

- Combinations, such as CMIT/MIT+ BIT can be interesting but the instability over time of CMIT/MIT at elevated pH (higher than 8.5) could result in the preservation efficacy relying on BIT, which could itself develop tolerant strains towards bacteria, such as *Pseudomonas*, when used at too low levels.
- Bronopol has the advantage of being non-sensitising and has good efficacy against *Pseudomonas* strains. Bronopol is one of the few biocidal actives that is not classified as a skin sensitizer, has a broad spectrum of activity and performs well in paints and latex in combination with BIT or BIT+CMIT/MIT.

Existing solutions, indicated in **Table 1**, may be suitable to replace MIT-based solutions but in some cases Bronopol may not be considered due to the potential release of very small amounts of formaldehyde at high pH and as it has the potential to cause colouration issues.

It is therefore, essential to provide additional tools to formulators in order to help them continue to protect paints and coatings in-can given the MIT challenge. One of the risks in considering either a single active substance or lower levels of actives in combination could be the possible development of tolerant strains. It is therefore, important to consider combining biocidal actives that have different speed of kill or mode of action to address gaps in the spectrum of activity.

**Figure 1. Timeline and consequences for paint formulators based on CLP and BPR**



**Figure 2. CLP hazard pictogram**



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Table 1. Dow's current biocides portfolio for paints and coatings

Active ingredients combinations	Application
CMIT/MIT + BIT	Efficient in paints, latex application
CMIT/MIT + BIT + Bronopol	Efficient in paints, latex application
CMIT/MIT + Bronopol	Efficient in paints, latex application
BIT + DTBMA <sup>1</sup>	Efficient in paints, latex application
DTBMA	Flexibility of addition with other active substances
BIT + Bronopol	Efficient in paints, latex application
CMIT/MIT + BIT + Bronopol	Efficient in paints, latex and slurries application
BIT + Glutaraldehyde	Efficient in slurries
CMIT/MIT + Bronopol + Glutaraldehyde	Efficient in slurries
DBNPA <sup>2</sup>	Quick kill, wide range, broad range of efficacy

Table 2. Growth rating scale, cfu = colony forming units

Rating		
0	= 0 cfu/plate	No detectable
1	= 1-100 cfu/plate	Slight growth
2	= 101-1000 cfu/plate	Moderate growth
3	= >1000 cfu/plate	Heavy growth

This challenge test shows the performance of MBIT alone. Dow strongly recommends to combine DTBMA or MBIT with other actives that are complementary in term of speed of kill and mode of action, such as BIT, CMIT/MIT or Bronopol.

## DOW'S PROPOSED SOLUTION

While looking for alternatives to MIT, it is important to consider biocidal actives that are sustainable, ie successfully pass the BPR review process without additional restrictions, are compliant with national legislations and address different technical aspects, such as compatibility, speed of kill or broad spectrum activity.

Dow currently supports actives, such as BIT, Bronopol, CMIT/MIT, as well as DTBMA and MBIT (2-methyl-1,2-benzothiazol-3(2H)-one).

DTBMA is an active that has been on the market for more than 30 years. It is recommended for wet state preservation applications (in-can) due to its broad spectrum of efficacy against moulds, yeasts and bacteria as it rapidly hydrolyses to MBIT in aqueous systems.

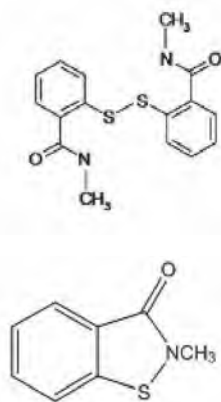


Figure 3. DTBMA top and MBIT below

MBIT has much higher water solubility than BIT. The latter is lipophilic with a low solubility in water (<0.1%), whereas MBIT is more hydrophilic with a higher solubility in water (~2%).

This increases MBIT availability in the aqueous phase compared to BIT, which is essential for contact with micro-organisms.

In addition, MBIT cannot be de-protonated and so does not form salts



Figure 4. MBIT and DTBMA biocides appearance

unlike BIT, which in a de-protonated form has much lower efficacy as a bactericide (pK a ~8.5). The consequence of this is that MBIT as a molecule can be considered a more potent biocide than BIT at alkaline pH.

The BPR active substance dossier for MBIT is currently under review and MBIT is expected to be authorised as a new active substance in 2018.

The potential efficacy of MBIT alone was determined using a microbiological challenge test in an acrylic paint samples (pH8.6). Four repeat challenges were employed in the study to simulate the introduction of a bioburden at different stages of a product life and preventing subsequent growth in the formulation.

Table 2 shows the scale used for rating microbial growth.

Results are reported in Table 3 and indicate that samples preserved with 150 to 200 ppm a.i MBIT resist against four successive inoculations.

## Good plant hygiene practices protect paints from contamination: Using BIOBAN™ DB 20 Antimicrobial from Dow

The restrictions given by CLP and BPR will lead paint formulators to review and improve plant hygiene and rethink plant design.

The biocidal product BIOBAN DB 20 Antimicrobial, based on the active ingredient DBNPA, is very fast-acting and, therefore, helps to minimise production downtime and delays due to contamination. In addition, it is a broad-spectrum biocide ideal for reducing microbiological contamination in raw materials. Another big advantage is that in aqueous environments it decomposes quickly. Ultimately, only carbon dioxide, ammonia and bromide ion remain as end products. The entire process may take place in less than one-half hour, depending on system conditions (mainly pH and temperature). The instantaneous antimicrobial activity of DBNPA presents one of the most cost-effective ways of eliminating microbiological contamination with diminished environmental concern and effect on the final product.

Equipment disinfection
Finished product rework
Raw material rework
Recycled water treatment
Preservative enhancement

Figure 5. Different ways DBNPA can be used in a production plant

Table 3. Challenge test of MBIT; B = Bacteriocidal activity; F = Fungicidal activity

MBIT (ppm)	1st inoculation		2nd inoculation		3rd inoculation		4th inoculation	
	B	F	B	F	B	F	B	F
Unpreserved	3	3	3	3	3	3	3	3
50	1	0	2	1	3	2	3	3
100	0	0	0	0	0	0	2	2
150	0	0	0	0	0	0	0	2
200	0	0	0	0	0	0	0	0





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## CONCLUSION

In summary, using the example of MIT, it is clear that the next five years will be a time of great change for paints and coatings formulators and raw material suppliers in the highly regulated European market. For those who want to be both ecolabel compliant and avoid the H317 label under the CLP legislation, the choice of actives will be severely limited and the cost to treat will increase.

Looking at other active substances that are still under evaluation in the BPR review programme, the choice of biocidal ingredients to replace MIT will be even trickier considering the future of most actives is still uncertain.

Dow has some novel actives, such as DTBMA or MBIT that could bring innovative sustainable solutions when used in combination with other actives.

PPCJ

**Author:** Emmanuelle Yvon  
Customer Application Specialist for Dow Microbial Control  
**Tel:** +41 44 728 23 82  
**Email:** EYvon@dow.com

# White is the global number one colour choice when it comes to choosing cars

Axalta Coating Systems has released the findings of its 65th annual *Global Automotive Color Popularity Report*, which shows white as the worldwide leader in consumer vehicle colour choice in 2017, followed by black in second place at 16% and grey and silver tied in third place for the second consecutive year at 11%.

The report also found:

- **Worldwide:** Building on white's number one position, a trend has developed of pearl colours sparkling on luxury vehicles. White pearl hues increased four percent in 2017.
- **Africa:** Up three percentage points, grey enters double digits at 11%.
- **Asia:** White dominates and is the choice on 52% of vehicles sold in the region. China has the highest usage of white anywhere at 62%. Japan uses more pearlescent white hues at 28%.
- **Europe:** At 20%, grey is more popular in Europe than in any other region.
- **North America:** Blue is gaining popularity, especially in the compact/sport segment where it rose six percentage points to total 16%.

- **Russia:** The top colour, white, increased from 28 to 32%, while silver is also up three percentage points.
- **South America:** Grey is the rising star in South America moving from eight percent to 11%.

"With its modern appeal, white continues to be the top seller worldwide," said Nancy Lockhart, Axalta Global Color Marketing Manager.

"Pearlescent whites gained four percent in popularity this year as this multi-coat colour is used on all segments and has the highest usage in Japan. Overall, light and bright colours continue to gain strength as light grey and light to medium shades of blue have increased interest in the market."

Published annually since 1953, Axalta's report is the automotive industry's longest running and most comprehensive colour account. It's compiled and designed by Axalta's colour experts around the globe to provide OEMs fascinating and relevant insights into consumer preferences to help them make informed colour decisions.

"Automotive colour evolves over time," says Elke Dirks, Axalta Automotive OEM Color Designer, Europe, Middle East and

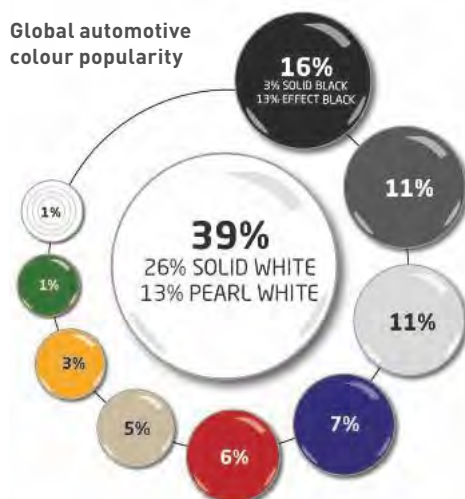
Africa. "Recently, blue has been trending in various versions from highly chromatic shades to light metallic colours, and grey has been on the rise as the next competing neutral."

"White is the undisputed number one, but the story does not end there," said Annie You, Axalta OEM Color Designer, China. "Our customers value the subtle trends the report unveils. For instance, buyers in India prefer silver more than any other region at an amazing 30%. Overall, more white vehicles are produced in China than any other region, of which 47% are solid white and 15% pearl white."

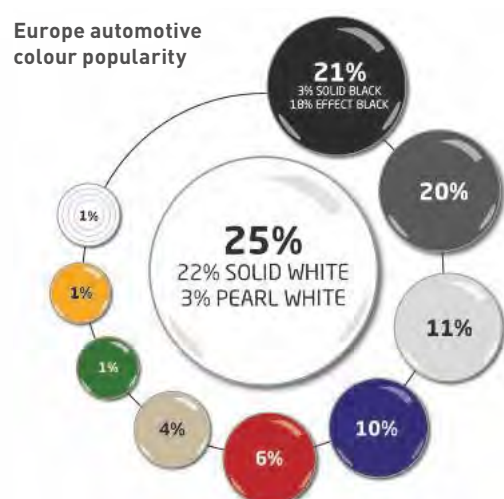
"Axalta's annual colour initiatives, which include this Popularity Report, our annual Color Collection and the Automotive Color of the Year are beneficial to car manufacturers who are interested in using these insights to innovate," said Lockhart. "In addition, Axalta has more than 150 years of expertise with an international team of designers and scientists that are solely focused on the fusion of technology and design."

For more information please visit [axalta.com/color](http://axalta.com/color).

Global automotive colour popularity



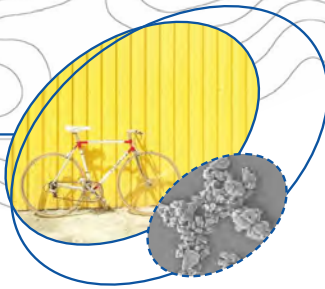
Europe automotive colour popularity





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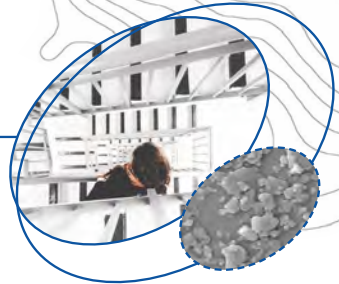
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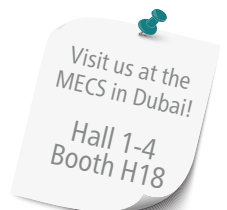
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PPCJ's review of mergers and acquisitions is compiled by leading industry expert and consultant, *Louis McCulloch*

# M&A global review 2017



Louis McCulloch provides an overview of the mergers and acquisitions in the coatings industry, which have taken place during the past year

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Each year we make a point of reminding readers of the heritage and purpose of the review, now in its ninth year. Firstly, we aim to cover only paints and coatings, avoiding other sister industries like inks in particular, though not always with complete success in this regard because of overlapping areas like packaging and paper. Secondly, it is on a global basis, again not always as comprehensive as it might be, relying as we do mostly on the trade publications, company reports and press releases. Thirdly, we set about capturing the information with purpose and enthusiasm, week in and week out during the year. It is not surprising that we miss some deals, what is more surprising is how they often turn up after the year in question, sometimes a lot later, for example in the current review is the acquisition off Al Kalani Paints from 2014. Collect, analyse, set out and comment are the keys.

## NON-STOP HEADLINE-MAKING

The year in company terms has seen the headlines dominated at its beginning and end by a small number of exceptional transactions, the progress of which has kept the industry on the edge of its seat month by month as the deals twisted now this way, now that.

It was back in March 2016 that Sherwin-Williams and Valspar first announced they had entered into a definitive agreement for the one to acquire the other in a deal worth US\$11.3bn. Moving through the necessary stages took some 12 months to reach the next step, which was to divest Valspar's North American Industrial Wood Coatings business to Axalta, thus addressing the concerns of the regulatory authorities in the USA

and Canada. The end of May 2017 followed on with the necessary regulatory approvals being obtained and the acquisition was completed just a few days later.

While all of this was in train and unresolved, in March 2017 the number one paintmaker PPG made an unsolicited bid for the number two AkzoNobel, which continued for a few months until PPG withdrew in June, having tried three times to win AkzoNobel over. Things then remained quiescent until October when AkzoNobel confirmed it was in merger discussions with Axalta. One month later Axalta ended the talks, citing inability to reach mutually acceptable terms, during which time Nippon stepped in with a bid for Axalta, only for those discussions to be terminated several days later.

Similar stories unfolded during the period with the Huntsman and Clariant merger, where activist investors proved to be the catalyst in both companies abandoning the US\$20bn tie-up, though Clariant is reported as still being keen on finding the right merger partner.

Then right at the end of the year the US Federal Trade Commission requested a restraining order preventing Tronox buying Cristal's titanium dioxide business, a deal begun at the start of the year in February.

It's all very much proving to be a question of revolving doors and of watching this space in 2018.

## MEANWHILE ONWARDS AND UPWARDS

The sequence of increasing number of transactions was maintained in 2017 with a bit to spare and there is very likely to be a spurt in the final days of December and in the new year. Last year for example there were seven such transactions in that time. There is now an unbroken run stretching back to 2012. How much longer this upsurge can be maintained is an open question but one not helped by forecast financial, political and climatic headwinds.

## SUPPLY CHAIN IN GOOD FETTL

Once more coatings manufacturers topped the league table in terms of the number of transactions, maintaining their now customary lead over their raw material counterparts, a lead they lost by a hair's breadth in 2011 and more comprehensively in 2015. What is noticeably different this year is the record number of deals affecting distributors of raw materials, 20, up

Table 1.

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017 (to early Dec)
94	56	69	109	92	107	125	128	131	134

Table 2.	2010	2011	2012	2013	2014	2015	2016	2017 (to early Dec)
Coatings Manufacturers	23	43	36	45	42	39	56	53
Coatings Distributors	3	3	0	2	11	2	7	2
Raw Material Manufacturers	17	44	29	38	41	48	43	45
Raw Material Distributors	8	7	8	4	6	17	11	20
Equipment Suppliers	5	3	8	9	11	10	4	4
Applicators	10	4	9	9	13	10	7	5
Other	3	5	2	0	0	2	3	5
<b>Total</b>	<b>69</b>	<b>109</b>	<b>92</b>	<b>107</b>	<b>125</b>	<b>128</b>	<b>131</b>	<b>134</b>

Table 3.	2011	2012	2013	2014	2015	2016	2017 (to early Dec)
AkzoNobel	2	2	1	0	0	2	4
Asian Paints	0	0	0	1	0	0	1
Axalta	0	0	0	1	1	4	6
BASF	1	0	0	0	0	2	1
Kansai	1	0	1	0	0	4	1
NPHD*	0	1	3	1	1	1	2
PPG	3	2	1	9	6	3	2
RPM	4	4	2	3	3	7	5
Sherwin-Williams	1	2	0	1	0	1	1
Valspar	1	0	2	0	1	1	0 Drops out
Jotun	0	0	0	0	0	0	0 Comes in

\* Includes Nipsea

from 11 the previous year and part of a longer-term trend previously noted in these pages.

It has equally been noted that not much ever seems to find its way into the 'Other' category. This year there are five transactions, three of which, process companies and laboratory testing services have been recorded before. Then two new entries. The first being yours truly, the publisher DMG Events who has acquired the *Coatings for Africa* expo event, secondly just for interest, though not included in the figures, INEOS who have bought the football club FC Lausanne-Sport in Switzerland.

As previously noted, this still leaves a very large and important gap in coverage by the industry media and, hence in this review, that of the customers of the paint and coatings industry. We all know that these happen and are widely reported in the financial press but never seem to be picked up by the trade.

## PREMIER LEAGUE IN FOCUS

Given that all of the world's top 10 paintmakers were themselves busily embroiled in acquisition activity as predator or target in 2017, it is not surprising that the number of deals dropped from the gold rush scenario of 25 in 2016 to 23 in 2017, a very creditable performance – the second highest since this review began in 2008.

Traditionally the industry consolidators are RPM, often followed by PPG and AkzoNobel. This year it was Axalta who closed up on the leaders for the second year running.

The takeover of Valspar by Sherwin-Williams means that they drop out of this table in future. In their place comes Jotun.

## PLUS ÇA CHANGE

Putting aside for a second the crystal-clear dominance of the USA on both sides of this particular equation (but not for a moment forgetting it or underplaying it) and noting the continued presence of the other important players like the UK, Germany and The Netherlands, it is encouraging to see some sustained movement on the buy side in recent years by Japan, Switzerland and India.

The countries that tend to sell rather than buy continue to be Brazil, Mexico, Canada and Spain with a host of smaller interventions, while those that buy rather than sell over time are in fact limited to just one, Sweden, at least in our survey.

## OUTLOOK

Sales growth guidance from RPM for its fiscal year ending August 2018, points to the severe weather conditions in its first quarter holding back sales, balanced by higher sales in its second quarter as communities rebuild. The company is looking for its Industrial business to grow in the 3-5% range with steady progress in US construction; similarly with its Consumer side due to favourable

Origin	2012	2013	2014	2015	2016	2017 (to early Dec)
USA	46	45	69	70	70	70
Germany	11	15	16	15	13	19
UK	7	10	5	8	5	6
Netherlands	5	3	3	7	7	11
Belgium	0	4	1	5	3	2
France	5	0	4	5	5	0
Japan	2	4	3	0	7	6
Sweden			3	3	0	1
China				2	2	0
Finland			4	0	2	2
India					3	4
Switzerland					4	6
Italy					2	1

Destination	2012	2013	2014	2015	2016	2017 (to early Dec)
USA	37	44	53	55	66	67
Brazil	5	2	7	8	0	1
China	1	3	7	4	0	5
Germany	7	11	6	9	6	6
UK	1	10	6	12	7	7
Italy	6	2	5	1	6	3
France			6	3	2	4
Mexico			4	0	1	3
Switzerland	4	3	4	2	2	5
Canada	1	0	3	3	4	5
Netherlands	3	2	3	5	6	1
Saudi Arabia	0	3	2	0	1	1
India	3	3	1	2	3	4
Australia	2	3	0	3	2	0
Belgium	2	1	0	1	2	4
Russia	3	2	0	0	0	0
Finland			1	1	0	0
Singapore			1	0	0	1
Colombia			1	0	0	0
South Africa				2	0	1
Spain					3	2
Turkey					3	0

market conditions in the USA, UK and mainland Europe; and 1-3% in the Specialty segment business driven by acquisitions and its wood treatment lines.

Axalta referred to the 'moderate' effects on its business from recent hurricanes and natural disasters as a lost opportunity, much of which is likely to be made up during the course of 2018. Also mentioned are coatings markets impacted by tight raw material supply conditions.

AkzoNobel anticipated positive developments for EMEA excluding the UK, North America and Asia, with Latin America stabilising. Industry specific factors included higher raw material prices and challenges for Marine and Protective coatings markets.

BASF, though upping its economic forecast indications for 2017, foresaw a possible slowdown caused by increasing protectionism and geopolitical conflicts.

Turning to M&A prospects, favourable financial conditions did much to bring about a good year in 2017 but increasing inflation and rising interest rates may well have their say in the near term.

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## MERGERS & ACQUISITIONS

Month	Country	Acquirer	Acquisition	Country	Sales	Price	Main Coatings Markets	Comments
<b>APPLICATOR</b>								
Sep	USA	ASRC Industrial Services LLC	US Coatings Inc	USA	n/a	n/a	Marine	Tank coating, cleaning and surface preparation services
Feb	USA	Curtiss-Wright Corp	Para Tech Coating Inc	USA	n/a	n/a	Conformal	Serving aerospace, defence, medical markets
Jul	USA	PPG Industries Inc	The Crown Group Inc	USA	n/a	n/a	Automotive, ACE, Energy	Applies coatings at 11 US sites
Feb	Canada	Quantum Capital	Apache Industrial Services Inc	USA	n/a	n/a	Petrochemicals, Chemicals	Coatings and linings, refractory, fireproofing
Jun	USA	SDC Technologies Inc	LTI Coating Technologies LLC	USA	n/a	n/a	UV	Unifying leaders in thermal and UV-cure coating
<b>EQUIPMENT</b>								
Jan	USA	Baldwin Technology Company Inc	Air Motion Systems Inc	USA	n/a	n/a	Equipment	Leveraging AMS LED UV curing for graphic arts
Aug	Italy	Corob SpA	Novaflo Systems Inc	CA	n/a	n/a	Dispensing	Paints, inks, coatings, dyes, adhesives, chemicals
Jan	USA	RPM International Inc	Kärcher North America Co Inc unit	USA	US\$22M	n/a	Chemicals	Prochem equipment and chemicals for carpet etc
Feb	USA	Anderson Process	Werner-Todd Pump Co	USA	n/a	n/a	Equipment	Adds to product offering and service capabilities
<b>MANUFACTURER</b>								
Jul	Netherlands	AkzoNobel NV	Flexcrete Technologies Ltd	UK	n/a	n/a	Concrete	To expand in several key markets, such as Oil & Gas
Jul	Netherlands	AkzoNobel NV	Disatech SAS	FR	n/a	n/a	Adhesive films	To complement existing coatings and films for aerospace and transport
Oct	Netherlands	AkzoNobel NV	Merger with Axalta Coating Systems Ltd	USA	n/a	n/a	Automotive, Refinish, Industrial	Merger discussions ended in November without agreement
Nov	Netherlands	AkzoNobel NV	V Powdertech Co Ltd	TH	n/a	n/a	Powder	For domestic appliances, furniture and general industrial applications
Feb	Germany	Altana AG	Landa Corporation know-how	IL	n/a	n/a	Metallography	Alternative to cold and hot foil stamping
Nov	USA	Arsenal Capital Partners LLC	Carolina Color Corporation	USA	n/a	n/a	Colourants	For plastics across multiple end markets
Nov	USA	Arsenal Capital Partners LLC	Breen Color Concentrates LLC	USA	n/a	n/a	Colourants	For wire & cable, packaging, and consumer markets
Feb	India	Asian Paints Ltd	Causeway Paints Lanka (Pvt) Ltd	SL	n/a	n/a	Decorative, Refinish	Also industrial clients, along with other products
May	USA	Axalta Coating Systems Ltd	Spencer Coatings Ltd	UK	n/a	n/a	Protective	Onshore, offshore and industrial applications
Feb	USA	Axalta Coating Systems Ltd	Century Industrial Coatings Inc	USA	n/a	n/a	Protective	For structural steel, oil and gas, rail and other OEM
Apr	USA	Axalta Coating Systems Ltd	Valspar Corp business unit	USA	US\$225M	US\$420M	Wood	North American industrial wood coatings
Jan	USA	Axalta Coating Systems Ltd	Ellis Paint Company	USA	n/a	n/a	Protective, Wood, Marine	In California through three generations
Jul	USA	Axalta Coating Systems Ltd	IVA Essex Sas	FR	n/a	n/a	Electrical	European and Chinese wire enamel operations
Apr	Germany	BASF SE	Grupo Thermotek SA de CV	MX	n/a	n/a	Electrical	Waterproofing systems
Jun	India	Berger Paints India Ltd	Saboo Coatings Pvt Ltd	IN	n/a	Rs81.77C	ACE, Automotive, Industrial	Liquid industrial coatings
Jun	India	Berger Paints India Ltd	51% Saboo Hesse Wood Coatings Pvt Ltd	IN	n/a	Rs1.5Cr	Wood	Manufactures, imports and sells wood coatings
Feb	Germany	Castolin Eutectic Group	Furnace Mineral Products Inc	CA	n/a	n/a	Protective	Inorganic-hybrid coatings for power generation market
Oct	USA	Ferro Corporation	Endeka Ceramics SA	ES	€75M	€64M	Ceramics	Tiles, tableware, sanitaryware
Aug	USA	Ferro Corporation	Dip-Tech Ltd	IL	n/a	US\$60M	Glass	Precision, multicolour effect, glass-based inks
Feb	USA	Firestone Building Products Co LLC	Gaco Western LLC	USA	n/a	n/a	Protective	Liquid silicone roofing, waterproofing, foam insulation
Nov	USA	Gabriel Performance Products Inc	Ranbar Materials Inc	USA	n/a	n/a	Electrical	Coating resins, varnishes, pipe coatings
Aug	USA	Gemini Industries Inc	Amteco Inc	USA	n/a	n/a	Protective	Exterior wood and metal coatings markets
Sep	USA	H B Fuller Company	Royal Adhesives & Sealants LLC	USA	US\$650M	US\$1575M	Adhesives, Sealants	For engineering adhesives and highly specified segments
Jun	Germany	Heidelberger Druckmaschinen AG	Fujifilm Europe BV line	NL	n/a	n/a	Pressroom	Coatings, chemicals



## MERGERS & ACQUISITIONS

Month	Country	Acquirer	Acquisition	Country	Sales	Price	Main Coatings Markets	Comments
Jul	Germany	Henkel AG & Co KGaA	Darex Packaging Technologies	USA	US\$309m	US\$1050M	Packaging	Sealants and coatings for metal packaging
May	Germany	Henkel AG & Co KGaA	Sonderhoff Holding GmbH	DE	€60M	n/a	Sealing	Polymer sealing and potting systems
May	USA	H-I-S Paint Manufacturing Co Ltd	Premium Coatings of Texas Inc	USA	n/a	n/a	Electrical, wood	Electrical component and millwork markets
Feb	USA	Innovative Chemical Products Group	MinusNine Technologies Inc	USA	n/a	n/a	Paper	UV/EB coatings, adhesives for graphic art
Nov	USA	Innovative Chemical Products Group	Master Coating Technologies Inc	USA	n/a	n/a	Decorative	Speciality for residential and commercial
Jan	USA	Innovative Chemical Products Group	Rock-Tred Corporation	USA	n/a	n/a	Floor, decorative	Polymer floor coatings, wall coatings
May	USA	John R Burt Enterprises Inc	Anvil Paints & Coatings Inc	USA	n/a	n/a	Roof, concrete	Industrial roofs, concrete surfaces, wall textures
Feb	Japan	Kansai Paint Co Ltd	Sadolin Paints East Africa Ltd	KE	US\$87M	US\$125M	Decorative	Kenya, Uganda, Tanzania and Rwanda.
Aug	Japan	Nippon Electric Glass Co Ltd	Remainder of PPG Industries Inc business unit	USA	n/a	n/a	Fibreglass	Completion of US\$541M sale from 2016
Jan	Japan	Nippon Paint Holdings Co Ltd	60% CRF Huizhou Co Ltd	CN	n/a	n/a	Furniture	Industrial wood coatings
Nov	Japan	Nippon Paint Holdings Ltd	Axalta Coating Systems Ltd	USA	US\$4.1bn	n/a	Automotive, Refinish, Industrial	Axalta stopped merger discussions
Jun	USA	PolyOne Corporation	Rutland Holdings Inc	USA	n/a	n/a	Textiles	Expanding portfolio of colour, additives, inks
Jul	USA	PolyOne Corporation	Mesa Industries Inc	USA	n/a	n/a	Colourants	Packaging, consumer products, outdoor equipment
Jan	USA	PPG Industries Inc	Futian Xinshi	CN	€14M	n/a	Refinish	Network of more than 200 distributors
Apr	USA	PPG Industries Inc	Remaining 50% of JV in IVC (Malaysia) Sdn Bhd	MY	>US\$10M	n/a	Appliance, Electronic	Following 2015 acquisition of IVC in USA
Dec	Canada	Protech Powder Coatings Inc	Chemionics Corporation	USA	n/a	n/a	Powder	Compounding plastisols and latex polymers
Jan	Russia	Rosneft Oil Co PJSC	JV with China National Chemical Corp	CN	n/a	n/a	Marine	Marine and Arctic vessel coatings in Russian plant
Jan	USA	RPM International Inc	Clayton Corp business unit	USA	US\$60M	n/a	Sealants	Spray-polyurethane foam for DIY and professional use
Jan	USA	RPM International Inc	Prime Resins Inc	USA	US\$7M	n/a	Sundries	Grouts, foams, adhesives, coatings
Jul	USA	RPM International Inc	Key Resin Company	USA	US\$25M	n/a	Floor, Concrete	Floor, wall, concrete, maintenance products
Dec	USA	RPM International Inc	Whink Products Company	USA	US\$6M	n/a	Sundries	Rust, carpet, laundry stain removers, cleaners
Mar	Germany	Siegwerk AG	Schekolin AG business unit	LI	n/a	n/a	Packaging	For plastic packaging including rigid tubes
Mar	Germany	Siegwerk AG	Hi-Tech Products Ltd	UK	n/a	n/a	Packaging	Water-based inks and coatings
Jan	Switzerland	Sika AG	Bitbau Dörr GmbH	AT	CHF50m	n/a	Construction Chemicals	Waterproofing for roofs, buildings and civil engineering
Nov	Switzerland	Sika AG	Butterfield Color Inc	USA	€18m	n/a	Concrete	Decorative concrete floor products and systems
Sep	Switzerland	Sika AG	KVK Holding a.s	CZ	€37m	n/a	Construction Chemicals	Waterproofing and roofing systems, mortar products
Dec	Switzerland	Sika AG	Faist ChemTec GmbH	DE	€163m	n/a	Automotive, Construction	Bituminous and rubber products for noise management
Jan	Finland	Teknos Group Oy	FFiL Sniezka SA business	PL	n/a	n/a	Powder	For R&D and production closer to Polish market
Apr	Finland	Teknos Group Oy	Looser Holding AG companies	CH, DE, LI	CHF77M	n/a	Wood	Feyco AG, Treffert Coatings GmbH, Schekolin AG
Jun	USA	The Sherwin-Williams Company	The Valspar Corporation	USA	US\$15.8bn combined	n/a	Deco, Packaging, Coil, Gl, Wood	World brands, products, technology, footprint
Sep	UK	Zircotec Ltd	Performance One Coatings Ltd	UK	n/a	n/a	Motorcycle	Exhaust and thermal management coatings

### COATINGS DISTRIBUTOR

Jun	USA	Axalta Coating Systems Ltd	CH Coatings AG	CH	n/a	n/a	Refinish, Commercial Vehicle, Industrial	Importer and distributor throughout Switzerland
Jan	USA	FinishMaster Inc	A D'Angelo & Sons Inc	USA	n/a	n/a	Refinish, Industrial	11 bodyshops in California

### RM MANUFACTURER

Nov	Netherlands	AkzoNobel Group Affiliate	AkzoNobel India business unit	IN	n/a	Rs3,200m	Speciality Chemicals	Also trading portfolio in polymer and surface chemistry products
May	Netherlands	AkzoNobel NV	50/50 JV with Atul Ltd	IN	n/a	n/a	Thickeners	Monochloroacetic acid (MCA) for chemicals

## MERGERS & ACQUISITIONS

Month	Country	Acquirer	Acquisition	Country	Sales	Price	Main Coatings Markets	Comments
Jan	Germany	Altana AG	PolyAd Services LLC	USA	n/a	n/a	Additives	For plastics in automotive, construction, packaging
Jan	Germany	Altana AG	Solvay SA business unit	BE	n/a	US\$20M	Resins	For electronics, electrical and speciality adhesives
Aug	Germany	Altana AG	NuLabel Technologies Inc know-how	USA	n/a	n/a	Packaging	For decorative solutions and resealable packaging
Aug	USA	Artemis Capital Partners LP	StanChem Inc	USA	n/a	n/a	Resins	For coatings, painting, adhesives and fire prevention
Feb	Germany	BASF SE	Rolic AG	CH	n/a	n/a	Resins, Pigments	Formulations and functional films for display and security
Sep	Germany	BASF SE	Solvay AS business unit	CH	€1.3bn	€1.6bn	Resins	Formulations and functional films for display and security
Nov	USA	Borchers Americas Inc	Owensboro Specialty Polymers Inc	USA	n/a	n/a	Resins	For paper coatings, flexible packaging, oil and gas
May	UK	Cargill plc	BioBased Technologies LLC product line	USA	n/a	n/a	Resins	Soybean-based polyols to replace petroleum-based ones
Oct	USA	Carlisle Companies Inc	Accella Performance Materials Inc	USA	US\$430M	US\$670M	Resins	Polyurethanes across many markets and applications
Mar	USA	Chromaflo Technologies Corp	Elementis Specialties Inc business unit	USA	n/a	n/a	Colourants	Industrial and architectural in Americas and beyond
Sep	Germany	CHT Group	ICM Silicones Group	USA	n/a	n/a	Resins, Elastomers	Doubles business, now leading supplier globally
Jan	Korea	CJ CheilJedang Corp	65/35 JV BioAmber Inc	CA	n/a	n/a	Intermediates	In China to produce bio-succinic acid
May	Switzerland	Clariant SE	Merger with Huntsman Corporation	USA	n/a	n/a	Speciality Chemicals	Agreement terminated October
Sep	Switzerland	Clariant SE	JV with Tiangang Auxiliary Co Ltd	CN	n/a	n/a	Speciality Chemicals	Light-stabiliser additives in textiles and automotive
Jul	USA	Corvex Management LP	7.2% of Clariant SE	CH	n/a	n/a	Speciality Chemicals	To fight planned US\$20bn merger with Huntsman Corp
Sep	Japan	Daikin Industries Ltd	Heroflon SpA	IT	n/a	n/a	Resins, Compounds	Fluoropolymer compounds and micro-powders
Sep	USA	Emerald Performance Materials LLC	Combining Kalama Chemical and CVC Thermoset	USA	n/a	n/a	Speciality Chemicals	Rubber, adhesives, plastics, coatings, leather
Jan	Germany	Evonik Industries AG	Combining three units	DE	n/a	n/a	Additives	Coatings, silica, speciality
Aug	USA	ExxonMobil Corporation	Jurong Aromatics Corporation unit	SG	n/a	n/a	Additives	To meet growing demand, particularly in Asia Pacific
Aug	USA	Ferro Corporation	Majority Gardenia Quimica SA	ES	€6M	n/a	Resins, Additives	Mediums, additives, binders
Aug	USA	Huntsman Corporation	IPO of Venator Materials PLC	USA	n/a	US\$475M	Pigments, Additives	TiO <sub>2</sub> pigments and performance additives
May	USA	Huntsman Corporation	IFS Chemicals Ltd	UK	n/a	n/a	Resins	For insulation, appliances, automotive, elastomeric
Feb	Luxembourg	INEOS Group Holdings SA	50% J V stake in Oxochimie SAS	FR	€40M	n/a	Additives	Oxo alcohols
Aug	USA	Ingevity Corporation	Georgia-Pacific Chemicals LLC business unit	USA	n/a	US\$315M	Additives	Tall oil rosins for adhesives, paints, cleaners
Aug	Netherlands	Koninklijke DSM N V	Rest 49% JV DSM-AGI Corp	TW	n/a	n/a	Resins	UV-curable resins and other speciality chemicals
Nov	Netherlands	Koninklijke DSM N V	Amyris Brasil Ltda	BR	n/a	US\$96M	Resins	Brotas one production site in Brazil
Nov	Germany	Lanxess AG	Solvay SA business unit	BE	€65M	n/a	Additives	Phosphorus for chloride, as well as derivatives
May	USA	Microtek Laboratories Inc	BASF business unit	DE	n/a	n/a	Speciality Chemicals	Liquids and powders for thermal applications
Jul	Sweden	Perstorp AB	Polialcoli Srl	IT	n/a	n/a	Resins	Further strengthen position in the polyols market
Jul	USA	Pilot Chemical Company of Ohio Inc	ATRP Solutions Inc	USA	n/a	n/a	Resins	Oil field chemicals, lubricant additives, coatings
Jun	USA	Platte River Equity III LP	MFG Chemical Inc	USA	n/a	n/a	Speciality Chemicals	Oil field, water treatment, mining, coatings
Aug	USA	Polymer Solutions Group	Michelman Inc line	USA	n/a	n/a	Speciality Chemicals	Engineered wood release agent
Apr	USA	PPG Industries Inc	40% of Taiwan Chlorine Industries Ltd	TW	n/a	n/a	Chemicals	Transaction related to one of PPG's legacy businesses
Jul	India	Praj Industries Ltd	JV with Gevo Inc	USA	n/a	n/a	Speciality Chemicals	Isobutanol from sugar cane and molasses
Sep	Thailand	PTT Global Chemical Public Co Ltd	JV with Sanyo Chemical Industries	JP	n/a	n/a	Polyurethanes	Polyols to add presence in performance chemicals

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## MERGERS & ACQUISITIONS

Month	Country	Acquirer	Acquisition	Country	Sales	Price	Main Coatings Markets	Comments
Jan	USA	RPM International Inc	80% of Arnette Polymers LLC	USA	US\$20M	n/a	Speciality Chemicals	Resins, hardeners, curing agents for EP and PU material
Mar	Netherlands	Stahl Holdings BV	BASF business unit	DE	n/a	n/a	Leather	Chemicals for automotive, apparel, accessories
Jun	USA	Stepan Company	BASF Mexicana S A de C V unit	MX	n/a	n/a	Speciality Chemicals	Surfactant facility and portion of surfactants business
Mar	UK	Synthomer plc	Perstorp AB unit	BE	€72M	€78M	Additives	Gent activities primarily for paints and coatings
Sep	USA	The Dow Chemical Company	Merger with E I du Pont de Nemours and Company	USA	n/a	n/a	Speciality Chemicals	Separating into three independent companies
Apr	USA	Thiele Kaolin Co Inc	Short Mountain Silica Company	USA	n/a	n/a	Speciality Chemicals	Variety of applications in industrial and consumer markets
Feb	USA	Tronox Ltd	Cristal Global	SA	n/a	US\$1.67bn	Pigments	Eight TiO <sub>2</sub> manufacturing plants on five continents
Sep	USA	Valentus Specialty Chemicals Inc	PoloPlaz Inc	USA	n/a	n/a	Wood	Gymnasium and residential wood floor coatings
<b>RM DISTRIBUTOR</b>								
Oct	Belgium	Azelis SA	Combining P T Hutchins Co Ltd & Ribelin Sales Inc	USA	n/a	n/a	CASE	Resins, pigments, additives
Jul	Belgium	Azelis SA	Chemcolour Industries Ltd	NZ	n/a	n/a	Speciality Chemicals	In Australia and New Zealand
Jun	UK	Brenntag UK Ltd	Wellstar Enterprises (Hong Kong) Co Ltd	HK	n/a	n/a	Speciality Chemicals	Distribution of pigments, resins, additives across China
Mar	USA	CenterOak Partners LLC	Aakash Chemicals and Dye-Stuffs Inc	USA	n/a	n/a	Speciality Chemicals	Pigments, dyes, colourants, resins, additives
Jul	USA	Dunleary Inc	D N Lukens Inc	USA	n/a	n/a	CASE	Virginia to Maine
Jul	USA	Dunleary Inc	D & F Distributing Inc	USA	n/a	n/a	CASE	Southern and Southwestern USA
Jan	USA	EMCO Chemical Distributors Canada Ltd	Inortech Chimie Inc	CA	n/a	n/a	CASE, Inks, Plastics	Expands product offerings and support services
Aug	Netherlands	IMCD NV	L V Lomas Ltd	CA	C\$383M	n/a	Speciality Chemicals	Significant presence in Canada and more in US
May	Netherlands	IMCD NV	Bosscos Industries Inc	USA	US\$11M	n/a	Speciality Chemicals	Industrial segments in southwestern US
Mar	USA	Maroon Group LLC	Lincoln Fine Ingredients Inc	USA	n/a	n/a	Speciality Chemicals	First foray into the CARE segment
Sep	USA	Maroon Group LLC	Seidler Chemical Co Inc	USA	n/a	n/a	Speciality Chemicals	Pharmaceutical, electronic, industrial
Apr	USA	Milliken & Company	Keystone Aniline Corp	USA	n/a	n/a	Speciality Chemicals	Dyes, pigments, pigment dispersions, polymers
Aug	Japan	Nagase & Co Ltd	Fitz Chem Corporation	USA	n/a	n/a	Speciality Chemicals	Adhesives, construction, graphic arts, paints, plastics
Apr	USA	Nexeo Solutions Inc	Ultra Chem S de R L de C V	MX	n/a	n/a	Speciality Chemicals	Expanding in Mexico and Latin America
Apr	USA	Nexeo Solutions Inc	DSM product inventory	NO	n/a	n/a	Speciality Chemicals	Expanding in the Nordic region
Sep	Germany	Nordmann Rassmann GmbH	Melrob Group Holdings Ltd	UK	n/a	n/a	Speciality Chemicals	Operations in Asia, North America and Europe
Mar	USA	Organic Dyes & Pigments LLC	Eastern Color & Chemical Co Inc	USA	n/a	n/a	Speciality Chemicals	Textile, paper, plastic and leather
Feb	Germany	Overlack AG	Ceepal NV	BE	n/a	n/a	Speciality Chemicals	To strengthen Europe-wide network
Feb	USA	Ravago Chemical Distribution, Inc	TMC Materials Inc	USA	n/a	n/a	Speciality Chemicals	Adhesives, coatings, inks, paper, elastomerics
Jan	Germany	Stockmeier Chemie GmbH & Co KG	HDS-Chemie Handels Ges.m.b.H	AT	n/a	n/a	Speciality Chemicals	Sites in Vienna, Bratislava (Slovakia) and Iasi (Romania).
<b>OTHER</b>								
Oct	USA	RPM International Inc	Ekspan Holdings Ltd	UK	US\$10M	n/a	Bearings, Joints	Bearings for large structural movement control
Jan	UK	Avantium Investment Management (UK) LLP	Liquid Light Inc	USA	n/a	n/a	Process	Making chemicals from CO <sub>2</sub>
Oct	Japan	Kuraray Co Ltd	Calgon Carbon Corp	USA	n/a	US\$1.1bn	Process	Remove contaminants/odours from liquids and gases
Jul	UK	Element Materials Technology Holding UK Ltd	Exova Group Ltd	UK	£329M	n/a	Laboratories	Testing, calibration and advisory services
Mar	Dubai	DMG Events	Coatings For Africa	ZA	n/a	n/a	Events	Complementing events in Asia and the Middle East

**Definition: Worldwide Mergers and Acquisitions database covers public and private transactions involving at least a 5% ownership of the company. Transactions include M&A, stock swaps, LBOs, spinoffs, etc**

## MERGERS & ACQUISITIONS

### ■ UPDATE

Records are there to be broken and once again December has brought its crop of new transactions, 11 in all to take the total for the year to an all-time high of 145, well ahead of the 131 of the previous year.

Sika closed two in the month, adding to the four it made earlier in the year, extending its product portfolio into bituminous

extrusions and noise management in the automotive industry, as well as expansion joints to complement its more traditional coatings and sealants business. Not to be outdone, the Protech/Oxyplast group of Montreal, one of the world leaders in powder coatings, added two more in the month and yet a third in the first days of the new year.

The M&A year ended up on a somewhat controversial note. In the USA the FTC

filed a lawsuit to block Tronox's bid for Cristal Global, later to be joined by the European Commission who opened an investigation into the acquisition. Meanwhile Lanxess announced its intentions towards AkzoNobel's speciality chemicals business, in conjunction with private equity house Apollo. And they were not alone, with several other groups and consortia believed to be waiting in the wings to pounce.

Month	Country	Acquirer	Acquisition	Country	Sales	Price	Main Coatings Markets	Comments
Dec	Germany	Brenntag AG	Conquimica SA	CO	n/a	n/a	Speciality Chemicals	Broad product range and well-developed infrastructure
Dec	Germany	Kolb Distribution AG	Elementis Specialties Netherlands bv	NL	n/a	n/a	Surfactants	To expand product range and market coverage
Dec	Serbia	Local Managment	Tikkurila Oyj Balkans business	SR & MK	€13M	n/a	Decorative	Demand for premium products has remained modest
Dec	Canada	Protech/Oxyplast	Chemionics Corp	USA	n/a	n/a	Powder	Plastisol and latex formulations
Dec	Canada	Protech/Oxyplast	Trimite Powders Inc	USA	n/a	n/a	Powder	Now in global network of products and technology
Dec	Germany	Siegwerk Druckfarben AG & Co. KGaA	Tupahue Tintas SA	BR	n/a	n/a	Packaging	Flexo and gravure printing inks and varnishes
Dec	Switzerland	Sika AG	Faist ChemTec GmbH	DE	€163M	n/a	Bituminous extrusions	Structure noise management in automotive industry
Dec	Switzerland	Sika AG	Emseal Joint Systems Ltd	USA	n/a	n/a	Expansion joints	Complements sealing and bonding products
Dec	USA	Unimin Corporation	Merger with Fairmount Santrol Inc	USA	US\$2bn	n/a	Minerals	45Mt sand/mineral processing and 3M coating capacity
Dec	Germany	Vink Chemicals GmbH & Co KG	Prom Chem Ltd	UK	n/a	n/a	Biocides	90% of sales in production/distribution of biocides
Dec	USA	W R Grace & Co	Albemarle Corp unit	USA	n/a	US\$416M	Speciality chemicals	Polyolefin catalysts and components

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*Dr Carlos Rodriguez Santamarta* and *Werner Lehnard*, Axalta, discuss a versatile solution when the best anti-corrosion coating technology is needed

# Electrocoat for ACE and home appliance markets

Today's ultra-competitive agriculture, construction and earth moving (ACE) and home appliance markets demand coatings expertise in quality, productivity and environmental responsibility. Advanced e-coat products have been successfully meeting or exceeding stringent manufacturer and regulatory requirements for more than 40 years. E-coats are applied not just to tractors, heavy equipment and appliances but also to other metal fabricated products, including automotive bodies and parts, electrical switch gear and radiators.

Axalta Coating Systems, a leading global supplier of liquid and powder coatings, has many years' experience and a good reputation for its AquaEC e-coat technology. The products support users by helping to increase business profitability and to reduce the process costs while still achieving a world-class performance.

E-coat has a number of advantages that have contributed to it being so widely used. First, it is suitable for use on a very wide range of metal materials. The application process is relatively quick and clean – no overspray and no droplet – and deposits a very uniform coating thickness without any porosity. And the application process is usually automated, which means reduced labour costs compared to other coating processes coupled with easy control of the coating's composition. Thanks to e-coat's excellent throwing power, complex geometries can easily be coated, on outside surfaces but particularly in the inside cavities that may be hard to reach using a traditional spray process.

The e-coat process also offers highly efficient utilisation of the coating material itself, which can result in lower costs compared to other processes. Lastly, modern electrophoretic paint products are significantly more environmentally responsible than many other painting technologies as they tend to be low VOC, lead- and tin-free, as well as being Hazardous Air Pollutant (HAP)-free and listed in the International Material Data System.

## ■ ACE AND HOME APPLIANCE MARKETS

The global ACE market uses an estimated US\$1.5bn worth of coatings every year and ACE manufacturers place demands on suppliers to provide increased coating performance, as well as a strong aesthetic appearance. Changing climate conditions mean that ACE equipment is often exposed to a wide range of temperatures, humidity and sunlight. With such harsh environments to consider, many ACE manufacturers have created their own detailed performance level specifications; high on their list of priorities are excellent colour and gloss retention combined with a high degree of edge protection and corrosion resistance.

The home appliance market, whilst larger, is not dissimilar, though with differing drivers and challenges. The industry is estimated to be worth US\$22.5bn according to the US-based Association of Home Appliance Manufacturers (AHAM), and demand is expected to grow 3.2%/yr according to research by the Freedonia

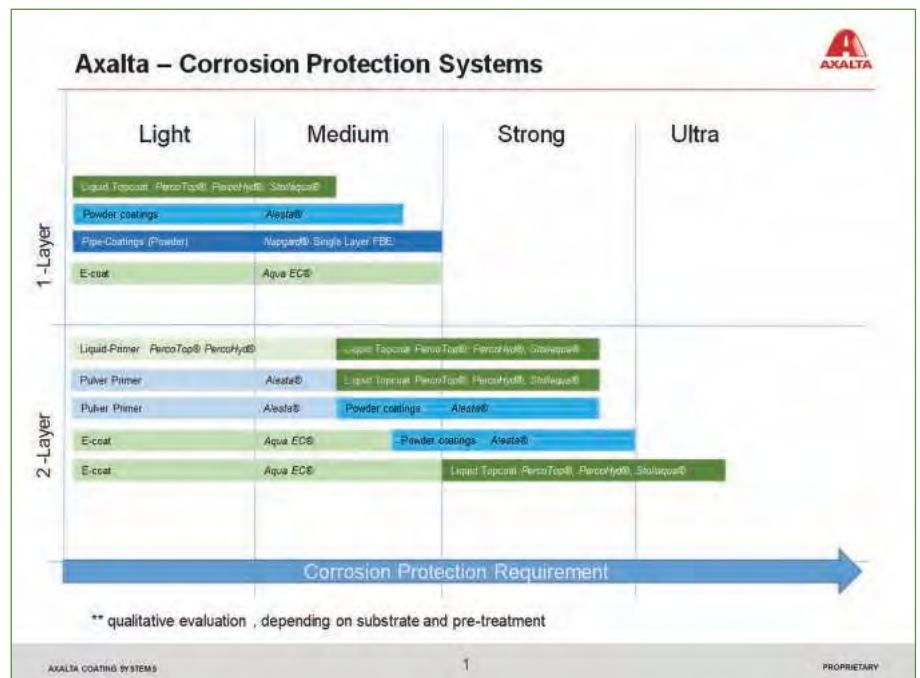
Group Inc. The reason for this growth includes the rise in major appliance purchases thanks to special textured or fingerprint-resistant coatings and unusual and unique colours.

## ■ SELECTING THE RIGHT COATING

ACE and home appliances manufacturers consider four main properties when they select a coating: quality, protection, sustainability and value. To achieve the required standards, two-layer systems are becoming increasingly popular. However, as financial constraints mean total application costs are carefully scrutinised, a global coating manufacturer like Axalta needs to offer high-quality coatings while reducing the overall costs in order to meet ACE and home appliances manufacturers' needs.

## ■ ONE-LAYER SYSTEMS

Axalta's AquaEC 5000 is a product family of single layer cathodic e-coat primers designed to provide exceptional





protection and top-of-the-range performance. Based on highly UV-resistant acrylic resins, AquaEC 5000 has been specially developed to provide excellent coverage on the first run. AquaEC 5000 is mainly used as a topcoat and its long-term weathering resistance, mechanical properties and powerful corrosion protection makes this range ideally suited for bulk coating of outdoor equipment like agriculture machinery, fork lifts and cranes. It is also widely used in the manufacture of domestic appliances, windows, door fittings and steel furniture. AquaEC 5000 displays good colour control and high coating efficiency. The superior UV resistance of AquaEC 5000 is comparable to a 2K polyurethane topcoat.

AquaEC 5000 is available in many colours to provide versatility for garden furniture, leisure equipment, fences and motor accessories. And as with all Axalta's e-coats, AquaEC 5100, AquaEC 5500 and AquaEC 5700 are environmentally-responsible, low-VOC and HAPS compliant thanks to their lead-free, water-based formulations.



**Axalta E-Coat bath at Grimme plant in Damme, Belgium**

## Liquid direct to metal (DTM)

Direct to metal (DTM) is a technology that, in addition to satisfactory UV resistance, provides good functional properties, such as corrosion protection and edge coverage, as well as good aesthetic properties, colour and gloss. It is a good system to balance costs with performance as only one layer is applied.

## Powder

Powder technology is best suited for single layer systems when standard functionality is needed. One-layer powder systems can also provide better corrosion protection and edge coverage than one-layer liquid systems.

## ■ ONE-LAYER SYSTEM CASE STUDY: GRIMME

Grimme is a global player in the ACE market and a world leader in harvesting technology. With a portfolio of more than 150 different machines for potato, beet and vegetable harvesting, Grimme offers the widest and most extensive product range in this segment.

Grimme chose Axalta's one-layer cationic e-coat system, which is based on acrylic technology. This coating is applied in a single paint line and offers good corrosion protection for the main machine body and for its component parts. One of the principal reasons Grimme chose this particular system was its cost efficiency compared to two-layer systems.

## ■ TWO-LAYER SYSTEMS

AquaEC 3000 from Axalta is a range of two component waterborne epoxy-based primers that are particularly valuable when corrosion on parts with sharp edges is an issue. It offers excellent mechanical properties, good chemical resistance and superior corrosion resistance.

It can be applied on a variety of substrates and will produce a smooth surface finish thanks to its wide application window and high contamination resistance. With AquaEC 3000 normal film thicknesses of between 20µm and 25µm can be reached and high film thicknesses of more than 35µm can be produced. Another advantage is its great throwing power, so difficult-to-reach areas are easy to coat, which helps with complex configurations.

AquaEC 3000 is available in a number of specifications for the automotive, ACE and appliances sectors and is used by many automotive parts and construction equipment manufacturers, as well as by light vehicle OEMs, on axles for example. AquaEC 3000 is environmentally responsible as it is lead- and tin-free, and it is REACH and HAPS compliant.

The two main two-layer technologies are determined by the type of primer used: e-coat primers or spray liquid primers.

## E-coat primers

When e-coat is used as a primer in two-layer systems, it provides outstanding functional properties. The corrosion

resistance achieved with an e-coat primer is virtually incomparable to any other coating system. As it is a dip technology, the levels of edge protection are very high, which is particularly important with substrates of complex geometries. There are two main e-coat systems depending on the level of functional protection required:

## Cathodic Electrocoat – epoxy technology

Cationic epoxy systems are the highest-performing e-coat systems in terms of corrosion resistance and edge coverage, and they are also the top performing coating systems in the ACE segment for functional protection.

Axalta's AquaEC 3000, a tin-free e-coat with low bake curing conditions (150°C) and outstanding functional performance, is a well-established product in the ACE market.

## Anodic Electrocoat – polyester technology

When systems with lesser performance in terms of corrosion resistance and edge coverage are required, the anionic system using polyester chemistry is a valid option. Axalta's AquaEC A400 and AquaEC A600 are anionic polyester systems that are both well-respected in the ACE segment.

Using an e-coat system as a primer in two-layer systems offers one of the best options for functional performance in the ACE segment.

## TWO-LAYER SYSTEM – E-COAT PRIMER – CASE STUDY: AMAZONEN-WERKE

Amazonen Werke is a global player and the market leader of spreaders and crop protection technology. It specialises in fertiliser spreaders, seed drills, active (rotary cultivators and rotary harrows) and passive soil cultivation (disc cultivators and harrows), precision air seeders and crop protection sprayers. In addition, Amazonen Werke provides the machinery and equipment for park and green field maintenance and for municipal services.

Amazonen-Werke uses AquaEC 3000, a 2K system that uses an epoxy e-coat primer and Stollaqua D7500, a water dip-coat, both from Axalta. The combination of a CED (e-coat) anti-corrosion system and the acryl modified dip-coat results in a system that offers premium corrosion protection with good weather resilience. The main reason Amazonen-Werke chose a dip-coat system rather than a conventional spray system was because it guaranteed an even coating across the whole geometry of the pieces, which are often very complex.

### Spray liquid primers

The use of spray liquid systems as primers is widely used across the ACE segment.

While the level of functional properties achieved by spray liquid primers is satisfactory, it is remarkably lower than when an e-coat is used as the first layer. However, depending on the specifications required by the ACE manufacturer, spray liquid primers can fulfil the corrosion

requirements very adequately, as well as providing good edge coverage when complex geometries are involved.

The advantage of using liquid primer technology in a two-layer system is that the application lines are relatively simple, which helps to keep the investment costs down. Spray liquid primers are significantly lower in cost than using e-coat primer technology, while the coatings consumption cost is similar for both e-coat and liquid primer technology, though understandably slightly higher than in one-layer systems.

## TOPCOATS OVER E-COAT PRIMERS

There are three topcoat choices to overcoat an e-coat primer: two liquid and one powder.

### Spray topcoat – solventborne

Applying a solventborne liquid topcoat over e-coat primers provides excellent colour and gloss retention and also very good outdoor resistance when using urethane chemistry. When lower levels of aesthetics and UV resistance are appropriate, alkyd liquid systems can be considered as an alternative topcoat. Axalta's most popular products in its polyurethane product range for ACE topcoats are PercoTop 9675 and PercoTop 771.

### Spray topcoat – waterborne

Using the most advanced waterborne technology provides similar aesthetic performance to classic solventborne topcoats and can deliver superior results in terms of colour and outdoor exposure. Axalta's polyurethane topcoat PercoHyd

755 and polyester topcoat Stollaqua D7500 offer two different options depending on the performance required.

### Powder topcoat

The third topcoat option for e-coat primed substrates is powder, which is easy to use and offers a wide variety of qualities – from polyester to acrylics. Powder also has the flexibility to deliver almost anything, from an attractive finish to UV resistance in the case of polyesters, such as Axalta's Alesta AP, Alesta IP or Alesta AG, as well as outstanding outdoor performance in the case of super-durable polyesters, like Axalta's Alesta SD. Acrylic powders also offer an additional high-performance topcoat option.

## CONCLUSION

E-coat, liquid and powder: there are many different coating options available for the ACE and home appliance markets. Both the one- and two-layer systems offer combinations that can meet the sectors' needs and specifications for performance, corrosion protection and gloss and colour retention. However, as these markets become more demanding, coatings manufacturers like Axalta must work ever more closely with their customers to create specific solutions that address both practical and financial demands by continually developing high-quality, cost-effective technologies.

PPCJ

### The ZA-TS fertiliser spreader manufactured by Amazonen-Werke



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**Authors:** Dr Carlos Rodriguez Santamarta, Axalta's Marketing & Strategy Manager for Industrial Coatings in Europe, Middle East and Africa (EMEA), and Werner Lehnard, Axalta's Market Segment Leader for Industrial Electrocoat in EMEA.

For more information visit [axalta.com](http://axalta.com) and follow it @Axalta on Twitter and on LinkedIn



DSM's latest range of coating resins enables designers to add tactile effects to all kinds of packaging

# New feel experience for graphic and packaging design

**D**SM has announced the latest addition to its coating resins portfolio; Skins® by DSM. A special series of resins that enhances a key element for graphic and packaging design; touch. The resins, launched via the characters Rubbert Skins, Silky Skins and Vel-Veeto Skins create a world of feel opportunities for food and non-food packaging whether on coated or uncoated paper, board, plastics and even aluminium and let customers engage with products and their design in a new way.

Graphic and packaging solutions have become the extensions of customers' brand impressions. With modern high-speed coating technologies, simple plastic or carton packages can be transformed into packages that gain sensory attention to support the image of a brand owner or positively affect consumer behaviour.

To understand the impact of 'feel' for graphic and packaging design, DSM measured and analysed the feel impact of more than 400 different materials and functional structures via a Haptic Innovation Process. With this knowledge and the insights of the printing and packaging process, the first three Skins feel coating resins have been developed.

- In addition to its touch, the rubbery surface of Rubbert helps with grip and enhances the ergonomics of designs. It works harmoniously with human anatomy and creates more visibility to text and graphics on the shelf.
- Silky skin's low viscosity makes it well suited for use in flexographic printing or varnishing units.
- Vel-Veeto reproduces the sensation of velvet to give packaging a premium

feel. Due to the resin's irregular surface landscape plus high transparency, there's very low light reflectivity. This enhances colour depth so colours remain true even at different shelf heights.

In addition, all three feel coatings resins are well-balanced, scratch and abrasion resistant.

## ■ HAPTIC INNOVATION PROCESS: MORE THAN 400 'FEEL PRINTS'

Packaging is more than containing a product or the carrier of information, it creates brand awareness by its 'look and feel'. To understand the impact of 'look and feel' DSM initiated the Haptic Innovation Process to develop the range. DSM started to measure the impact of materials, functional structure and colour via this process. By quantifying a broad range of reference materials like silk, velvet, wood, paper, sandpaper, rubber, etc. the development, formulation and visualisation of more than 400 different materials have been analysed and generated into 'feel prints'.

## ■ VALUE-CHAIN COLLABORATION WITH INK AND OPV INDUSTRY

Graphic and design effects for packaging are evolving to include many sensory experiences for consumers. This market trend is driving the need for advanced innovation solutions in raw materials and processes. A value-chain collaboration approach with the ink, overprint varnish (OPV) and film industry was a logical step for DSM. This collaboration combined the



Feel print of silk and velvet plotted on seven attributes

science and innovative raw material talents of DSM with the expertise and application knowledge of the down-stream value chain to meet the differentiation needs of converters, designers and brand owners.

The result of this collaboration is extremely transparent coating resins, which enhance any colour and give excellent appearance on all kinds of products, from converting in the printing plant right through to filling, packing and transporting. Furthermore, they match the different requirements of specific market sectors, such as medical/pharma, FMCG (food/non-food) or beauty.

All Skins are as easy to apply as overprint varnish and suitable for diverse print set ups (flexo, gravure, offset or screen printing) and can even be used offline via a thermal lamination film coated with Skins.

The 'feel' coating resins can be applied as an all-over coat or in spots to highlight a specific area of a printed piece. They create a textured surface on paper, plastic or carton, which fills any voids or irregularities on the substrate giving extra strength and protection.

All three Skins are available in water-based versions designed for waterborne printing equipment, which is the most commonly used application method for these systems around the world. By using appropriate cross-linkers, the chemical or mechanical resistance of the Skins-based coatings can be increased.

**PPCJ**

[www.dsmskins.com](http://www.dsmskins.com)





# Gulf coatings market still witnessing stagnant growth but planned major events may increase sales

Paul Cochrane reports from Beirut on the Gulf coatings market, while Poorna Rodrigo focusses on Israel

The Gulf paint and coatings market has had another year of stagnant growth, with sales impacted by stalled infrastructure projects, government policies and regional turbulence. Sales in 2017 were further impacted by the economic siege of Qatar, now into its seventh month, by its Gulf Cooperation Council (GCC) neighbours Saudi Arabia, the United Arab Emirates (UAE), and Bahrain. These developments have taken place against the continued economic malaise caused by the drop in oil prices in 2015, from which Gulf states have struggled to rebound and which has tightened government and company budgets, delaying many state-backed infrastructure and real estate projects.

"It has been a very challenging year, with a weak market and a lot of uncertainty. The liquidity crisis has never been so challenging and it looks like it will not go in a hurry," said Sunil Gudur, General Manager of Al Gurg Paints in Sharjah, UAE. He estimated the UAE paint and coatings market, valued at US\$2.598bn in 2017 by market researcher Euromonitor International, dropped by 8-10%. "The regional situation is making people tentative about investing right now and that extends to all projects and pricing – will we get the money on time?"

## POLITICAL TURBULENCE

Political turbulence within the Gulf and the wider Middle East has also dented growth, notably the diplomatic spat with Qatar, which started in July 2017 and led to an economic siege of the small but wealthy peninsula country.

Producers and re-exporters in the UAE have been particularly hard hit, as exports to Qatar are no longer permitted. This especially hurts given Qatar is investing more than US\$100bn in infrastructure, transport and real estate projects as part of its 2030 National Vision development programme and to host the 2022 FIFA World Cup.



Lusail, Qatar's 180bn Riyal city, being built specifically for the 2022 FIFA World Cup.

"Many Qatari projects were handled by contractors and developers in the UAE, and a lot of steel primer coatings were applied here, then the top coatings were sent along with it. That has all gone," said Gudur. Qatar, which lacks significant domestic capacity to meet demand in its US\$105.5M paint market, is now re-sourcing paint from Oman (a GCC country that has pointedly not joined the Gulf boycott) and other markets.

The war in Yemen and the ongoing standoff between Saudi Arabia and Iran has also warded off investment, further impacting the paint sector. "When you have monsoons in your neighbourhood, droplets will be felt on your veranda," noted Gudur.

## ECONOMIC REFORMS

This rainfall is especially heavy in Saudi Arabia, a participant in the Yemen conflict and the Gulf's second largest paint market, with annual sales for 2017 estimated at US\$556M by Euromonitor. These have also been impacted by the economic reforms in the kingdom, with foreign investment dropping by 16% in 2016, with sales also depressed by uncertainty following the arrest of 100 princes and leading businessmen in October 2017, as part of

*When you have monsoons in your neighbourhood, droplets will be felt on your veranda.*

an anti-corruption drive spearheaded by Crown Prince Mohammad bin Salman.

"The overall market size has dropped, as it is mainly a project driven market. As government appetite has drastically reduced, this has had a cascading effect across the market," said Mohammed Abdullah, Purchasing Manager at Al Jazeera Paints, in Riyadh.

"Infrastructure projects are down but we have also been affected by new government policies, especially towards expatriates, like the family dependency fees. Many workers have sent their families home, so a lot of apartments have been vacated and investors are having second thoughts about building apartments for rental purposes," said Abdullah.

Such sluggish growth followed a 10% drop in the market in 2016, he added.



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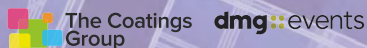
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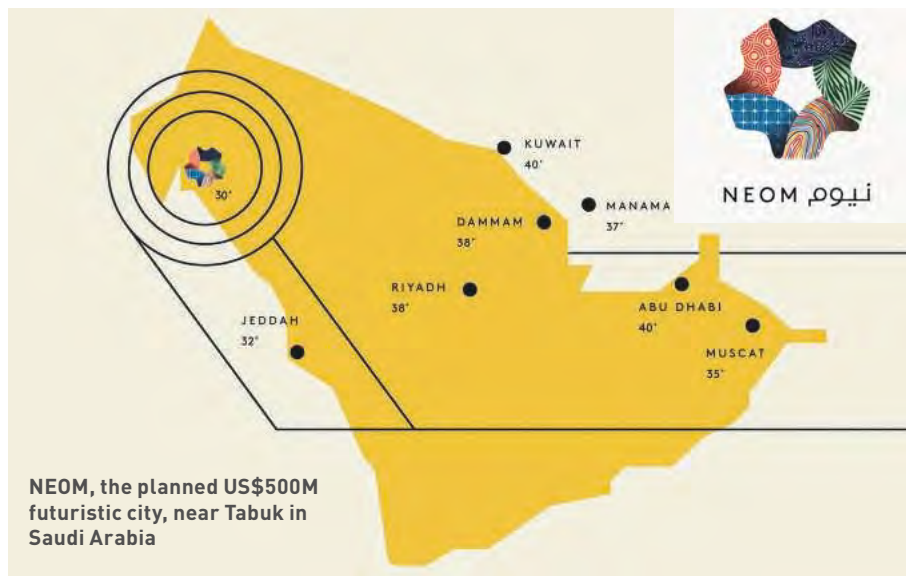
Small-to-medium sized paint companies in Saudi Arabia have been particularly hard hit, not able to weather delayed payments and reduced demand, losing 30% to 60% of annual sales, according to Abdullah. "Everyone has been affected but it has been harder on the smaller players. We have been able to cope with the challenge by having more than 600 showrooms around the country." Al Jazeera produces some 180,000t of paint a year and has expanded capacity to 600-700,000t through a fully automated flurry system.

While the Saudi Arabian government has loosened fiscal policy in its 2018 budget, the economy is not expected to have a major boost in the coming year, with GDP growth forecast for the next 12 months at a derisory 1.5%, according to Capital Economics, in London. "2018 is not going to be fantastic, maybe even down a bit on 2017," said Abdullah.

Region-wide, sluggish market growth and price sensitivity has delayed the roll out of higher end paints and intumescent coatings, although manufacturers are still launching new products and catering to the general shift away from oil paints to water-based paints. Different standards on volatile organic compounds (VOCs) is however, causing problems for manufacturers, especially in the UAE, where there are regulatory contrasts within the country, as well as compared to neighbouring states. "Every [UAE] emirate has its own standard, which required each product to be tested, and the manufacturer has to pay. You don't budget for this, as it is around UAE Dirham AED100,000 (US\$27,229)," said Gudur. He also cited rising costs for dumping hazardous waste, which had previously been handled by municipalities. "Such indirect taxation is adding to the bottom line," he added. The UAE is also bracing for the impact of the introduction of 5% value added tax (VAT) in January (2018), which is expected to cause inflation and further dent paint sales.

## ■ PLANS FOR HIGH END PROJECTS

Paint companies are nonetheless, aiming to capitalise on high end projects that will get underway in the near future, such as NEOM, a US\$500M, 26,500km<sup>2</sup> futuristic city near Tabuk in the north of Saudi Arabia, bordering Jordan and Egypt. The project was announced by Crown Prince Mohamed bin Salman in October 2017, with the first phase slated for completion



by 2025. "It is hard to know how soon it will start and paint will be the last stage but a huge amount of paint and coatings will be required," said Abdullah. With NEOM being touted as a sustainable city, it is expected to require green paints with certification such as LEED, he added.

Elsewhere in the Gulf, major infrastructure projects have yet to materialise, such as those connected to the planned World Expo 2020 in Dubai. "My best guess is there will be a fair bit of action around mid-2018. The earlier expectancy was a bit premature," said Gudur. **PPCJ**

## Israel is steady import market for European paint majors

Imports of paints and coatings into the relatively developed Middle East market of Israel are significant and have been growing, according to data sent to PPCJ by European Union statistical agency Eurostat.

In 2015, Israel imported €42.12M worth of paints and varnishes (including enamels and lacquers) based on synthetic polymers or chemically modified natural polymers, dispersed or dissolved in a non-aqueous medium, from the EU compared to €38.75M worth of imports in 2014. Imports from the EU dropped slightly to €40.71M in 2016 but held steady this past year, with imports between January to August in 2017 standing at €27.88M.

Meanwhile, imports of other paint and coatings from the EU have seen a steady rise. These include pickling preparations for metal surfaces; fluxes and other auxiliary preparations for soldering, brazing or welding; soldering, brazing or welding powders and pastes consisting of metal and other materials; preparations of a kind used as cores or coatings for welding electrodes or rods. These imports valued at €656,292

in 2014 rose to €808,213 in 2015. They further climbed to €821,686 in 2016 and within the first eight months of last year alone (January-August) Israel imported €503,641's worth of these products. And innovative Israeli companies are also manufacturing export-worthy lines. Herzliya-based SolCold is developing a light-filtering paint that, for example, when applied on roof tops can help cool down buildings. "Once applied to a surface of an object, the sun's radiation triggers a reaction in our material," the company said. This reaction converts the heat accumulated in the object it is applied to into radiation. This radiation is then emitted in a process called 'anti-Stokes fluorescence', providing a cooling effect.

"So basically, SolCold's material functions as if it were a thin layer of ice that gets thicker and cooler as the sun gets stronger," it said. The coating can be applied to buildings, cars, containers, and potentially space equipment. The company has tested the technology and is eyeing large-scale production licensing by April 2020.

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With the coatings sector just being one small part of it, *Poorno Rodrigo* reports from London and *Kathryn Wortley* from Tokyo, on what drives the global speciality chemicals market

# Specialist chemicals sector sees global growth, due to demand for smart materials

The global speciality chemical market has been showing steady gains over the past few years and is set to continue in its growth trajectory, according to latest data. According to data from Pune, India-based global research company Allied Market Research, the global industry was worth US\$175.4bn in 2014 and has since shown promising growth to US\$184bn in 2015, US\$193bn in 2016 and US\$202.5bn in 2017.

And this growth will continue well into 2020, projects Allied. The sector will generate US\$212.4bn in revenues by the end of this year worldwide, say the market researchers and will earn an estimated US\$222.7bn in 2019, before registering US\$233.6bn's worth of sales during 2020, it predicts. The sector comprises cosmetics chemicals and food additives, ink additives and various other chemicals used in water treatment paper and pulp, textile, construction and oil fields, as well as paint and coatings chemical ingredients, according to an allied definition, according to its datasets.

Other market researchers support this general upwards trajectory through their studies – although with different figures, definitions and detailed trends. IHS Markit says global annual yr-on-yr growth averaged 3% over the 2012-16 period.

Globally, the speciality chemical market was worth US\$370.6bn in 2016, according to Inkwood Research. By 2023, Crystal Market Research, in its December 2017 report, predicts that the market will be worth US\$575.2bn.

## ■ ASIA ACCOUNTS FOR HALF THE WORLD'S CONSUMPTION

In terms of market share, roughly half of the world's consumption of speciality chemicals in 2016 took place in Asia (including Japan), while North America and Western Europe held about a quarter each, according to a July 2017 report by IHS Markit.

And Asian countries are expected to play a more significant role in the market over the next five years with growth largely due to economic growth that is boosting construction and manufacturing, particularly in automotive and electric items; as well as greater consumerism of products, from cars to household items, noted a report by Mumbai-based Oceanic Pharmachem Pvt Ltd.

Ink additives — made from speciality chemicals like pigments, resins and solvents — are set to see the strongest growth in the coming five years due to their wider use in packaging, publication and

printing applications, an analyst from Allied Market Research told PPCJ.

That apart, the “rising popularity of ultraviolet (UV)-cured [where ultraviolet light is used to instantly cure or dry inks, coatings or adhesives, without using extra heating] jet inks and other environmental friendly inks are fuelling this growth,” she said. The demand for such products – UV, free radical and cationic inks is highest in the USA.

## ■ ENVIRONMENTAL ISSUES DRIVING INNOVATIONS

As in many other sectors, environmentally oriented products are driving innovations in the speciality chemicals market. For instance, the now Luxembourg-based ink specialist Flint Group launched the latest version UV LED process inks XCURA EVO last August.

Improved efficiency and reduced energy costs are the key features of its newly launched XCURA EVO “with its excellent flow characteristic, superb transfer and high gloss” – setting its product apart from competitors, according to Trevor Amps, Global Product Management Director for energy curing inks in the Group. Indeed, according to Amps, “EVO” is short for evolutionary. Amps called the product its



Image: www.evanik.com



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In 2016, 20% of the of the speciality chemicals produced worldwide was used in the soap, cleaning and cosmetics industry, followed by food and beverages using 12%



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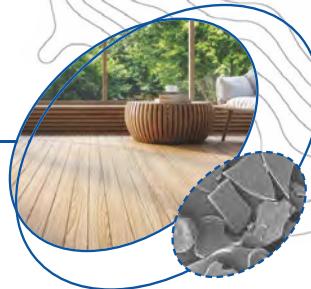
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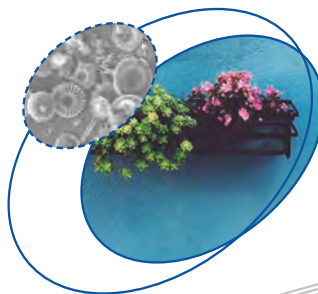
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Separately in September 2017, the company introduced another technology – EkoCure ANCORA, its UV LED curable low migration ink (designed for use on food packaging) technology – at *Labelexpo Europe 2017*, held in September in Brussels, Belgium. Low migration LED curable inks and printing systems "open up opportunities for expansion into food packaging that did not exist before," according to Kelly Kolliopoulos, Global Marketing Director of Narrow Web – a division of the Flint Group, which grew out of the USA. Its customers can now print on heat sensitive films because the LED systems operate at much lower temperatures and, additionally, they can meet food packaging compliance because of Flint Group's novel low migration ink chemistry, the company said.

Speciality chemicals are critical for a growing number of end-use industries, influenced by consumers' demands for high-tech products, as well as items with greater quality and durability; growing consideration of the environment and the need for global sustainability.

In 2016, said IHS Markit, one fifth of the speciality chemicals produced worldwide was used in the soap, cleaning and cosmetics industry, followed by food and beverages (12%), electrical and electronics (12%) and construction (9%). Other important end-use industries include automotive, paper and pulp, plastic products, printing and publishing, and oil and gas extraction.

IHS Markit reports that, due to rising demand, there is currently constant development in the purity and properties of speciality chemicals supplied to the electronics industry for the manufacture of flat-panel displays and semiconductor packaging. Growth of the global technical textile market is also pushing those in the speciality chemicals industry to produce more product volume, as well as new, innovative options.

However, the global market is also seeing demand in environmentally friendly disinfectants, biodegradable plastics and solar-powered and rechargeable electronics. Similarly, the fuel additive market is expected to grow because of the tightening of emission control regulations and the depletion of crude oil reserves.

## ■ TACKLING GLOBAL CHALLENGES

Speciality chemicals are also being utilised to tackle some of the world's greatest challenges caused by the continued (albeit uneven) rise in global populations. Industry

experts, such as Boston, USA-based Inkwood Research, predict that pesticides will take the largest share of the market in the future due to pressures to produce more food. In the developing world, in particular, the problem is exacerbated by lack of access to clean water, poor hygiene and disease, which create an increased need for biocides, a growing specialist chemical sub-sector. Inkwood noted that there are a growing number of formulations containing speciality chemicals that can repel, control or destroy harmful organisms.

As for the speciality chemicals market in the Asia Pacific, industrialisation, rising demand for environmentally-friendly products and greater disposable income in the region is driving rapid growth in its speciality chemicals market that is expected to continue.

From 2015 to 2016, Asia (excluding Japan) was the fastest growing region, at about 8% yr-on-yr, according to IHS Markit. Indeed, North American, European and Japanese speciality chemical producers have established production facilities in Asia outside Japan, with significant investment in recent years. A popular option is China where McKinsey & Company says multinationals have built "state-of-the-art plants that combine world scale with China's lower labour and capital-expenditure costs".

## ■ GROWTH IN THE MIDDLE EAST

Another contender for speciality chemical production growth during this period has been the Middle East. A July 2017 report by IHS Markit states: "With trade liberalisation, the spread of process technology, the breakdown of numerous economic barriers, the rapid growth of the newly industrialised Asian economies and rising standards of living in many developing countries, the centre of gravity of the global chemical industry is shifting toward the Middle East, where cheap petrochemical feedstocks are available and Asia, where labour costs remain relatively low and economic growth is high."

Looking at the paint and coatings industry, pressure to care for the environment is creating greater demand for speciality chemicals.

"In recent years, the global trend in environment protection has become more widespread and, as such, the need for waterborne coatings in automotive production has increased dramatically," said a representative of Japan's Kansai Paint, the country's second largest paint manufacturer. The company said it was therefore carrying out further research and development to boost its offerings.

Japan's largest paint producer, Nippon Paint, also boasts an extensive R&D department. It has utilised speciality chemicals to cater for consumers' rising expectations of paints and coatings for home use.

A Nippon Paint note said: "Our odour-less family of products caters to consumer needs with a state-of-the-art IPS+Odour-less platform. Using selected materials and stringent production processes, our Odour-less products not only minimise paint odours but also shorten the duration of odour emission."

The company is also using speciality chemicals to deliver on efficiency and sustainability, reporting that its Solar Reflective Paint Coating reduces surface temperature by up to five degrees Celsius, while its Weatherbond Exterior Paint protects walls against corrosive materials, thereby increasing the life of the paint.

Moreover, breakthroughs have been made in tackling the spread of disease using speciality chemicals in paint.

Nippon Paint Malaysia's paint Nippon VirusGuard uses anti-viral and anti-bacterial coatings to inhibit the growth of viruses and bacteria on painted surfaces, safeguarding against hand, foot and mouth disease and the H1N1 virus.

A company spokesperson said the "revolutionary water-based hygiene paint prevents the growth of micro-organisms using a controlled ion-release system, as well as featuring low odour and low volatile organic compounds."

Meanwhile, Kansai Paint has introduced a paint that has shown 80% efficiency in repelling mosquitoes and other insects, in a bid to help fight malaria and dengue fever. It is currently being used in nurseries, schools and clinics in Malaysia and Indonesia.

"The paint contains ingredients that excite mosquitoes' nerves," explained a spokesperson. "When mosquitoes land on a wall, they become paralysed, making them unable to bite a human."

For the paint and coatings market generally, Alex Taylor, International Business Development Manager of UK-based Devine Chemicals Ltd, said the three key types of speciality chemical remain dispersants, (which keeps pigments suspended); thickeners, (which improve applicability to surfaces); and defoamers, (which obliterate air bubbles).

"These three chemicals are constantly in the R&D cycle," he said. "As long as paint is being produced, these chemicals will be subject to refinement," he said.

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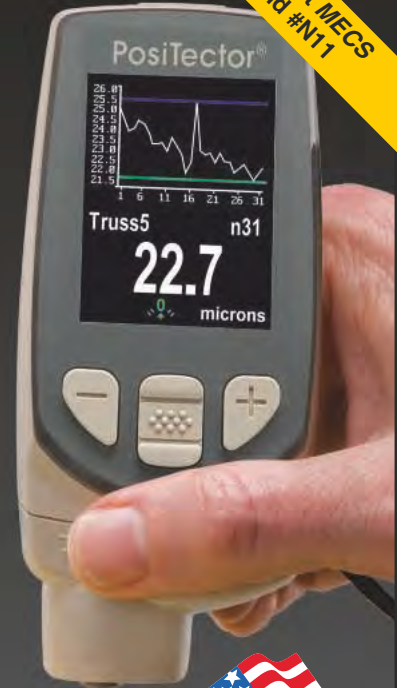
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Jeffrey B Carr, ActiveMinerals International LLC, discusses attapulgite and its performance benefits in coatings

# An easy, tried-and-true method to ensure quality in coatings

Coatings are complex composites designed to have a stable shelf-life, apply easily to a substrate and provide lasting durability in varied environments. These performance criteria require disparate materials to be finely dispersed and work cohesively, which presents a major challenge as composites can be unstable and ultimately fail at points of inconsistency. To address this, the first thing a new paint chemist learns is that wetting agents are mandatory in allowing mineral fillers to disperse properly. Without them, these inorganic particles generally reject their organic media, agglomerate and settle out. It would be imprudent to forgo wetting agents.

Another well-known, tried-and-true technique to stabilise composites and improve their uniformity is to use high-quality, gel-grade attapulgite mineral products. They have been common in paint applications for several decades as thixotropic thickeners for low-shear flow and levelling, sag resistance and other rheology benefits. However, a seemingly forgotten higher value is their function as excellent stabilisers due to their unique colloidal lathe-shaped particles forming a lattice structure. This keeps liquids and particles more evenly dispersed and suspended, generating important benefits well beyond rheological properties.

This article gives a brief history of attapulgite, a description of its mechanism that sets it apart from other thixotropic thickeners and stabilisers, and discusses its performance benefits in coatings.

## CHEMISTRY AND MORPHOLOGY

Attapulgite is a naturally occurring hydrous magnesium aluminosilicate clay mineral with the formula  $(\text{Mg},\text{Al})_2\text{Si}_4\text{O}_{10}(\text{OH}) \cdot 4(\text{H}_2\text{O})$ . The composition and structure of attapulgite were determined in the early 1940s and 1950s<sup>1</sup>. It has a lathe or bristle morphology that is non-swelling and non-fibrous (**Figure 1**) and is inert and stable under a wide pH, temperature and chemical range. Attapulgite particles are

naturally colloidal with weak electrical charges. They have a high aspect ratio of 100:1 or higher and are in tightly compressed large bundles that must be dried and separated.

Commercial development soon followed to capture the benefits of attapulgite's unique ability to form an electro-mechanical lattice structure that interacts with particulate solids, when it's well dispersed in a liquid. High quality, gel grade attapulgite products, produced from deposits in the USA, proved to be ideal low-shear rheology modifiers, syneresis control agents and suspension stabilisers for a wide variety of water-based and organic liquid systems. They are especially effective in mixtures containing high solids. Drilling muds, coatings and tape joint compounds were among the first applications. Later developments included suspension fertilisers, animal feed suspensions, adhesives, sealants, inks, colour concentrates and asphalt coatings.

Although this sedimentary clay is found on nearly every continent, the

quality varies greatly with two primary distinctions. First, the majority of deposits and the quality within the deposits are not gel grade, making them only suitable for sorbent applications, like filtration or floor absorbents. The other variance is particle length. US gel grade attapulgite products have a consistent particle size of 2.5 microns long and 25 nanometers wide. Other deposits have much longer and varied lengths<sup>2</sup>, which makes their primary value of forming a lattice structure inconsistent. This non-uniform bristle length causes some variability in performance and in a composite's shelf-life.

In addition, the International Agency for Research on Cancer (IARC) found that particle lengths greater than five microns have evidence of carcinogenicity<sup>3</sup>.

## HOW ATTAPULGITE WORKS

Attapulgite bristles have weak electrical charges, positive on the ends and negative along the shaft. When well dispersed in liquids, the charged particles



Figure 1. Crude attapulgite mined by Active Minerals International LLC



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'at rest' are in close proximity and form weak electrical bonds, end-to-face, creating a three-dimensional lattice network. This structure entraps liquids and keeps insoluble particles both separated and suspended. Under shear the weak lattice structure dissociates, resulting in lower viscosity and markedly improved mixing, pumping and workability. When the system returns to 'at rest', the rate of 'thixotropic recovery' – or rebuilding of the lattice structure – is exceptionally fast with an immediate return to a stable structure (**Figure 2**). Since attapulgite mineral does not swell, there is no post-thickening or creep viscosity. It is not a dispersant but further aids the separation of liquids and particles and keeps them suspended.

Unlike most other thixotropes, this shear-thinning can be repeated endlessly without loss of performance.

## PARTICLE NETWORK AND PERFORMANCE

The thixotropic effect, coupled with suspension and rapid recovery, provides benefits beyond just rheology modification.

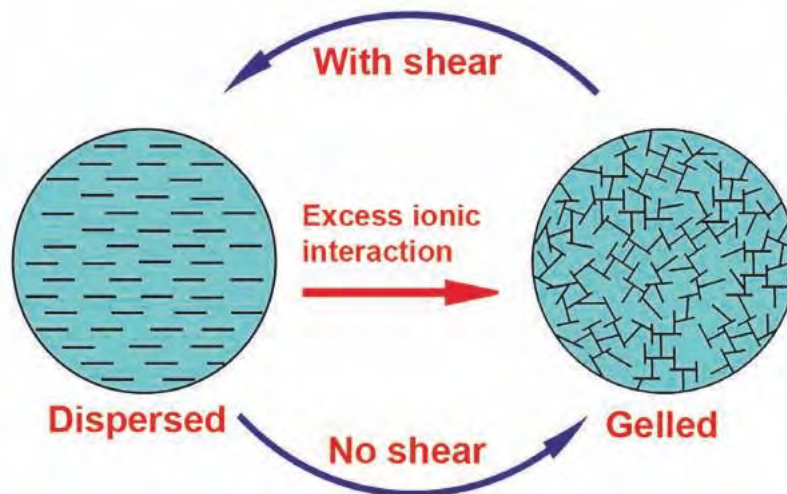
The lattice network 'at rest' provides a uniform and stable mix with all components well dispersed. This better ensures the mixture can perform optimally, as well as maintain consistent quality throughout shelf-life. Benefits are:

- Syneresis control;
- Freeze-thaw stability; and
- Pigment suspension (reduced pigment float & flooding and improved tint strength).

Under motion, the attapulgite bristles align with the direction of flow and stay dispersed among the particulate solids, keeping them separated. This optimal dispersion provides lower viscosity and markedly improved flow, pumping, spraying and workability.

- Low shear rates maintain high viscosity, which minimises sag and flow after application, controls the penetration rate of adhesives and stains, and prevents adhesive squeeze-out during high pressure laminating.
- High shear rates produce low viscosity that permits faster mixing prior to application, improves levelling during the application of high-viscosity mixtures and improves workability (pumping, spraying, spreading, feathering, etc).

Returning to 'at rest', or rebuilding of the lattice structure, is very fast. Mixtures quickly return to their original higher viscosity after mixing or after being applied, resulting in:



**Figure 2. Attapulgite lattice network when dispersed in a liquid**

- Improved flow and levelling of paints, adhesives, sealants, etc;
- Reduced settling and sag;
- Reduced overspray and spattering; and
- Reduced permeability and shrinkage.

It is important to reiterate that this cycle of lattice formation and reformation can be repeated indefinitely without fade. This is the behavioural attribute of high-quality, US gel grade, attapulgite products that keeps coatings and other composites stable and allows consistent, optimum performance over their intended shelf-life.

## FEATURES AND PERFORMANCE

The key features in selecting an attapulgite product are gel quality and fineness of residue. Products suitable to coatings, adhesives, sealants and many other fine applications require a very low +325 mesh residue, typically less than 1%. This is not only critical for the end-use applications but also reflects the degree of separation of attapulgite's naturally compressed particles by the manufacturing process. With greater separation, the attapulgite particles disperse easier and more completely permitting optimal performance.

## EXCEPTIONAL PERFORMANCE AND ECONOMIES

High-quality US gel grade attapulgite products are the most economical low-shear rheology modifiers in their class and provide consistent performance over diverse liquid systems. Their dosage in most applications is similar to not-in-kind products, about 0.1 to 2.0% by weight, and yet their cost per pound is usually far less than half.

Most coatings require a mix of different rheology modifiers to provide a fuller rheological profile to meet the demands

of in-can stability (Stormer viscosity) and paint application (ICI viscosity). Paint manufacturers have found that US attapulgite products add key rheology benefits while wholly or partially replacing more expensive additives, such as associative thickeners (alkali-swellable acrylics), urethane-based rheology modifiers, and cellulosic thickeners.

Attapulgite products have distinct advantages over other commonly used thickening and suspending agents. They do not fade under repeated shear and are chemically inert and non-swelling. Additionally, attapulgite products are easier to use as they do not require a higher pH, special solvent or modifier to activate them. They are ideal for low-pH paints. In solvent-based systems, with less than 10% water, a surfactant is often needed.

Hydroxyethyl cellulose (HEC) is a popular co-thickener for emulsion coating systems. Key benefits of HEC include syneresis control, freeze-thaw stability and open time but an over-reliance on cellulosic thickeners can result in a ropery, snotty or 'livering' appearance and poor workability. Unlike attapulgite, cellulose products are expensive, are subject to microbial attack and fade after repeated shear-thinning. Specifically, Min-U-Gel® 400 attapulgite is commercially successful in reducing HEC levels without reducing paint properties – except one, cost – and improves the paint's overall appearance and workability.

Compared to HEC, Min-U-Gel 400 builds a higher initial yield point and provides more consistent shear stress values when under shear (**Figure 3**).

Min-U-Gel 400 attapulgite is also useful as a co-thickener with associative thickeners. These rheology modifiers provide favourable levelling and gloss and maintain high viscosity under high shear for



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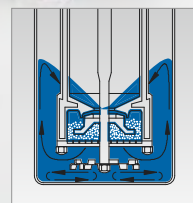
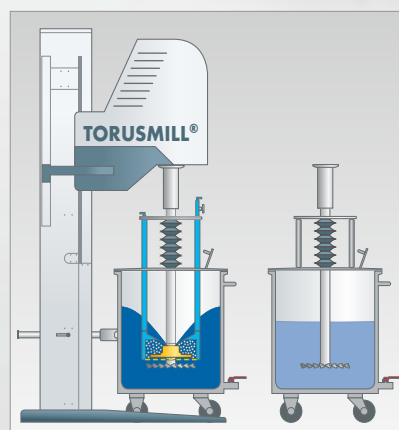
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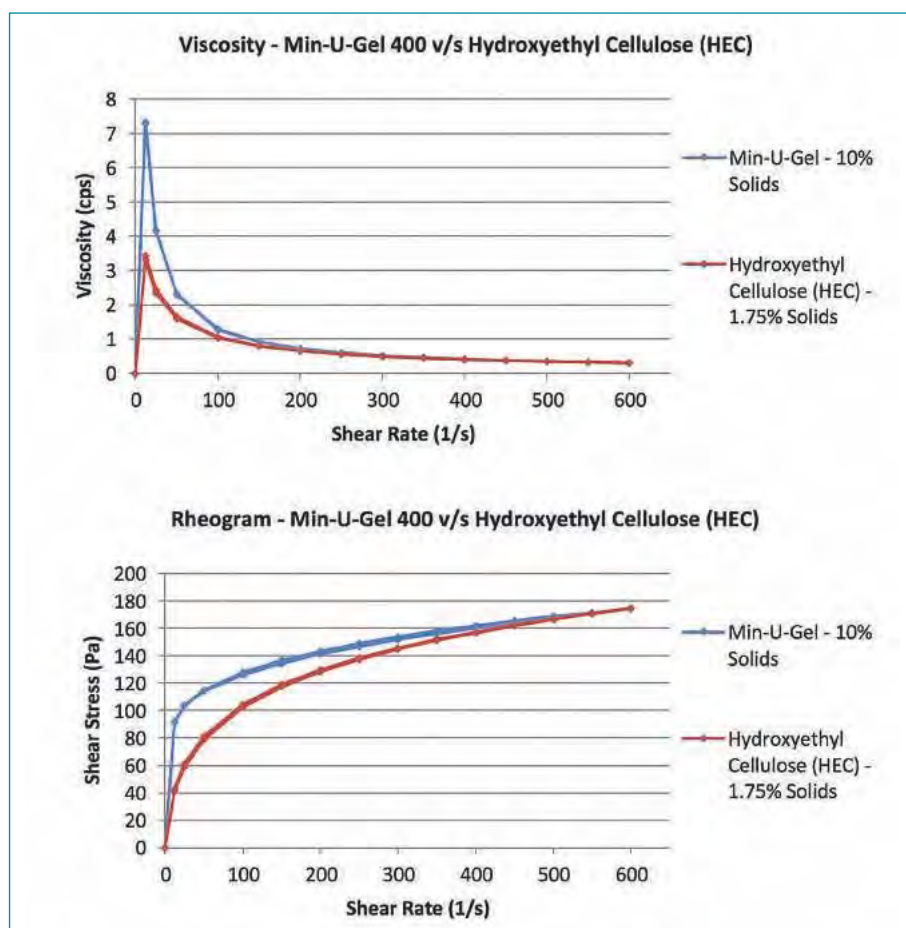


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**Figure 3. Comparison of shear stress and viscosity at various shear rates for Min-U-Gel 400 attapulgite and HEC in water. The loading levels of both materials have been exaggerated to produce comparable rheological values. In coatings, where the attapulgite network interacts with particulate solids, the dosage level of Min-U-Gel 400 is similar to HEC**

reduced spatter. However, they can cause problems with syneresis, pigment settling and floatation, colour development and sag resistance. Manufacturers often use Min-U-Gel 400 to overcome these deficiencies at a rate of 3 to 5lb/100gal (4 to 6g/lit) in semi-gloss paints and 3 to 7lb/100gal (4 to 8.5g/lit) in interior flat paints. Min-U-Gel 400 is also used as a co-thickening thixotrope with alkali-swellable and hydrophobically-modified HEC thickeners to remedy sag resistance, pigment settling and dripping problems. Typical addition levels is 3 to 5lb/100gal (4 to 6g/lit), which adds stabilisation to reduce syneresis, pigment settling, pigment settling and floatation, while improving hide, colour development and sag resistance.

#### ■ UNIFORM SUSPENSIONS

High-quality, US gel grade attapulgite products provide long-term stability to liquid systems. Their particles remain suspended indefinitely given their small size and interaction with themselves and other pigments. The gel formation can suspend relatively large or dense pigments

or extenders. If any particles do settle they form a soft sediment that is easily re-suspended. The amount of attapulgite needed is reduced at higher PVC values or, in other applications, as solids rise. Mixtures of typical pigments and extenders may need less than 0.5% by weight for suspension or soft settle and those with large, denser particles may need up to 2.0%.

#### ■ IN-CAN STABILITY

US gel grade attapulgite products maintain the quality of the finished product and reduce pre-application mixing time. Their stable gel strength prevents the settling of solids and phase separation or syneresis during storage. The gels are unaffected by pH, temperature fluctuations, soluble ions, microbes or almost any additive. They also do not swell or increase aged viscosity.

#### ■ CONCLUSIONS

Attapulgite serves as the undercarriage of many high solids mixtures, ensuring product quality throughout their life cycles, as well as providing valuable thixotropic properties.

When well dispersed in a liquid, high-quality US gel grade attapulgite products improve the stability of complex composites by entrapping liquids and particles when the mixture is at rest. Maintaining this dispersed state is reflected in improved stability and components being able to work to a level of optimal performance. In coatings this is demonstrated by reduced syneresis, pigment flooding/float and improved freeze-thaw properties. In addition, when the mixture is in motion its shear-thinning thixotropic thickening properties improve flow and levelling, workability (pumping, spraying, spreading, feathering, etc). As attapulgite's lattice structure quickly reforms it reduces spatter, sag and overspray and allows higher film build. As the most economical thickeners in their class, high-quality US gel grade attapulgite products can reduce cost by partially or wholly replacing other thickeners.

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[www.coatingsworld.com](http://www.coatingsworld.com)

#### References

1. Haden, Jr, WL. Attapulgite: Properties and Uses, pp 284-290. Paper presented at The Tenth National Conference on Clays and Clay Materials, Austin, Texas, October 14-18, 1961.
2. International Agency for Research on Cancer (IARC) Monograph, Volume 68, pg 247, Table 2. Samples labelled NIOSH A and NIOSH B are from US deposits of Floridin Company and Engelhard, now operated by Active Minerals International and BASF, respectively.
3. International Agency for Research on Cancer (IARC) Monograph, Volume 68, pg 262, section 5.5.

**Author:** Jeffrey B Carr, Director of Global Business Development, ActiveMinerals International, LLC

For nearly two decades, Jeff Carr has been a leader in sales, marketing and business management for the two largest global attapulgite producers. He has developed new products and applications worldwide, as well as having led a turnaround for one producer. He currently serves at Active Minerals International.

**Email:** [j.carr@activeminerals.com](mailto:j.carr@activeminerals.com)

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## IN BRIEF

### Ashland launches white gelcoat for marine industry

Ashland has launched a new white gelcoat to help boat manufacturers improve the efficacy and usability of their products in demanding marine applications. Maxguard EZM marine white gelcoat offers easier application in complex moulds and excellent weathering performance. In addition to its application properties, this gelcoat achieves the high level of ultraviolet (UV) and blister resistance required by the world's top boat builders. [www.ashland.com](http://www.ashland.com)

### Covestro reduces monomer content

Through continual improvements to the manufacturing process, Covestro has succeeded in reducing the residual monomer content of free monomeric diisocyanates to less than 0.1 percent by weight. Products meeting these requirements can be recognised by the addition of 'ultra' to the product designation. In the coming months Covestro wants to offer raw materials for solvent-based and solvent-free products (Desmodur ultra), as well as for aqueous coatings and adhesives (Bayhydru ultra), thereby replacing a significant proportion of the previous product portfolio. Further products should be added to the ultra line in the near future.

"With the new ultra products, in combination with the application of the usual safety measures, we are setting new standards for our customers in industrial hygiene," said Michael Friede, Global Head of the Coatings, Adhesives, Specialties segment at Covestro. [www.covestro.com](http://www.covestro.com)

## Help to minimise 'snail trail' and improve water resistance

Dow Performance Silicones, has introduced Dow Corning 904H Coating Additive, a silicone additive for architectural façade coatings that supports enhanced aesthetics for building exteriors. This new silicone additive is designed to help coatings reduce the 'snail trail' effect commonly seen when surfactants and other water-soluble ingredients in coatings formulations leach to the surface. The additive can also improve water resistance, repellency and beading in coatings by increasing their surface hydrophobicity.

"Architects, building owners and other specifiers around the world now use a wider range of paint colours. In more frequently used darker and brighter colours, typically the 'snail trail' effect is more visible when it occurs," said Silicones Marketing Leader Coatings & Leather EMEA Damian Froklage. "We recognised the need for a coating additive that could reduce surfactant leaching to resist this effect, especially for coatings applied in cold and humid weather conditions where 'snail trails' are encountered more frequently."



Dow is introducing the new Dow Corning 904H Coating Additive globally, with subsequent full commercial availability in the Americas in early 2018. [www.dowcorning.com](http://www.dowcorning.com)

## A tinting system for all industrial coatings

Gemini System is Arsonsisi's most recent innovation in the field of industrial tinting systems. It embodies a new product philosophy and offers the sector opportunity to choose between two colourimetrically identical systems featuring the same logic and common principles.

Both guarantee continuity in quality and performances and jointly they represent a real step forward for industrial colour.



Arsoncolor System and Arsoncolor Hydro System are two complete colour tinting systems that feature the same selection of colour pastes at equal pigments concentration with the

certainty of obtaining comparable colour fidelity in both systems: Arsoncolor System is the latest refinement of the legacy solvent-based range; Arsoncolor Hydro System is the innovative water-based line that simultaneously reproduces the colourimetric characteristics of the solvent-based system, while catering to the increasing requests for painting systems with high quality and low emissions.

[www.arsonsisi.com](http://www.arsonsisi.com)

## Software and temperature control up to 300°C

Krüss has introduced an updated version of its successful Force Tensiometer – K100 with its new Advance software and has also developed two new temperature control units for this measuring instrument.

The new Advance software is designed to be a universal platform for all Krüss measuring instruments and now also supports the high-end K100 tensiometer. Advance displays the logical workflow of scientific measurements on an intuitive user interface.

The broad scope of methods offered by the K100 include, in addition to standard methods for surface and interfacial tension of

liquids, completely automated CMC measurement and processes for characterisation of the wettability of solids and powders right up to the determination of their surface free energy. In parallel with

the software release, this measuring instrument also offers technical upgrades, such as a sensor that registers the closing of the sample chamber doors.

Advance controls measurement sequences with the aid of ready-made automation programmes, reducing manual steps to the absolute minimum. Measurements can, therefore, start immediately without any further adjustments. Procedures can also be intuitively modified or even newly created for completely different sequences without any programming knowledge. [www.kruss-scientific.com](http://www.kruss-scientific.com)





## Coatings designed to withstand the wrath of hurricanes

The 17th Street Causeway Bridge in Fort Lauderdale, coated with products developed by Florida-based TEX•COTE, withstood the intense winds and rain brought on by Hurricane Irma despite the damage the massive hurricane caused to scores of other structures statewide.

Hurricane wind speeds reached 85mph and sustained for 8-10 hours in Fort Lauderdale where the 17th Street Causeway Bridge is located, but the hurricane did not damage the TEX•COTE coatings on the bridge, said Jay A Haines, President and CEO of Textured Coatings of America, Inc, a 56-year-old company also called TEX•COTE.

A leading manufacturer of highway and bridge coatings, it offers a complete line of decorative and protective high-build architectural coatings for commercial, industrial, transportation and residential uses. Its products have been used on many prestigious buildings, landmarks, control towers, bridges and homes worldwide.



Among them is the scenic 17th Street Causeway Bridge in Fort Lauderdale, Florida. The drawbridge was originally built in March of 2001 using TEX•COTE XL-70 BRIDGE COTE and it opened in 2002. The bridge was recoated in 2014 using TEX•COTE® 300 BRIDGE COTE.

This bridge is significant because Fort Lauderdale is often called the 'Venice of America' due to its many canals, some of which converge to the 17th Street Bridge. The bridge stands 65ft above the Intracoastal Waterway and has a protected

walkway, offering walkers amazing views of the water, city and yachts.

Since the founding of TEX•COTE in 1961, the company's ongoing research and development efforts have led to many industry advancements and the development of 'green' products with low volatile organic compounds (VOCs). TEX•COTE's 'patented Coolwall' IR System has been proven to reduce energy usage and its manufacturing process incorporates post-consumer recycled content. Visit [www.texcote.com](http://www.texcote.com)

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## Protecting Helsinki's West Harbour passenger terminal against the elements

The Finnish Constructional Steelwork Association annually awards the Steel Structure Award for a steel structure initiative that promotes and describes the industry development. The award is one of the remarkable architectural awards, which has been shared already since 1980. The 2017 award was given to the West Harbour terminal 2 at the steel structure day in Helsinki on November 21, 2017.

The new passenger terminal in West Harbour in Helsinki was taken in use in the spring of 2017. The harbour area is being renovated to accommodate rising numbers of passengers. Traffic through the West Harbour is continuously growing, particularly for the fast connections to Tallinn and the current terminal premises no longer serve large numbers of visitors. The expansion of the West Harbour included a new terminal and two new docks serving traffic to Tallinn. The new terminal has a wealth of steel structures and wide glazed façades.



"The West Harbour is an interesting target for Tikkurila's industrial paint business. Tikkurila's paints were used to coat steel structures indoors and outdoors. Together with the main contractor in charge of the steel structures, Normek Oy, we identified painting systems which are durable in harsh weather conditions," Jarno Sula, Sales Director, Industry, Finland said.

The multifaceted steel structure and pillars of the West Harbour passenger terminal were coated with a durable epoxy-polyurethane system. The matte black-grey and silver-grey metallic structures were created with the extremely weathering and abrasion resistance polyurethane paint and matting paste.

PPCJ

# How technology is paving the way to PyeongChang

Athletes and fans making the drive to the Olympic Winter Games PyeongChang 2018, February 9-25, on the Yeongdong Expressway will be travelling on a newly striped and visibly marked road. Major sections of the expressway are being marked with a highly reflective, durable waterborne traffic paint powered by Fastrack Technology from The Dow Chemical Company.

Fastrack Technology retains glass beads and retro-reflectance in road markings longer than solventborne traffic paint, helping lane markings appear clearer to drivers during the journey from Seoul to PyeongChang. Developed by Dow to help facilitate the industry's conversion from solventborne to waterborne traffic paint, Fastrack Technology combines a durable acrylic backbone with Dow's patented Quick-Set Technology, which helps accelerate the drying time of waterborne traffic paint, even under adverse weather conditions. This solution allows cars to get back on the road faster and offers resistance against wheel tracking and water washouts, resulting in a high level of protection for the road markings and the distribution of glass beads that are essential to night-time retro-reflectivity.

Fastrack Resins in waterborne paint help dramatically reduce volatile organic compound (VOC) emissions. Formulations using this option contain eight to 10 times less solvent than conventional traffic paints and result in an up to 60% lower carbon footprint than other road-marking technologies.

Building technologies from The Dow Chemical Company have also been incorporated into the Olympic Plaza, the International Broadcast Centre and the Olympic Sliding Centre to help protect people from the elements, minimise heat leakage and help maintain excellent ice conditions for competition surfaces.

## ■ INSULATION FOR WARMTH... AND FOR COLD

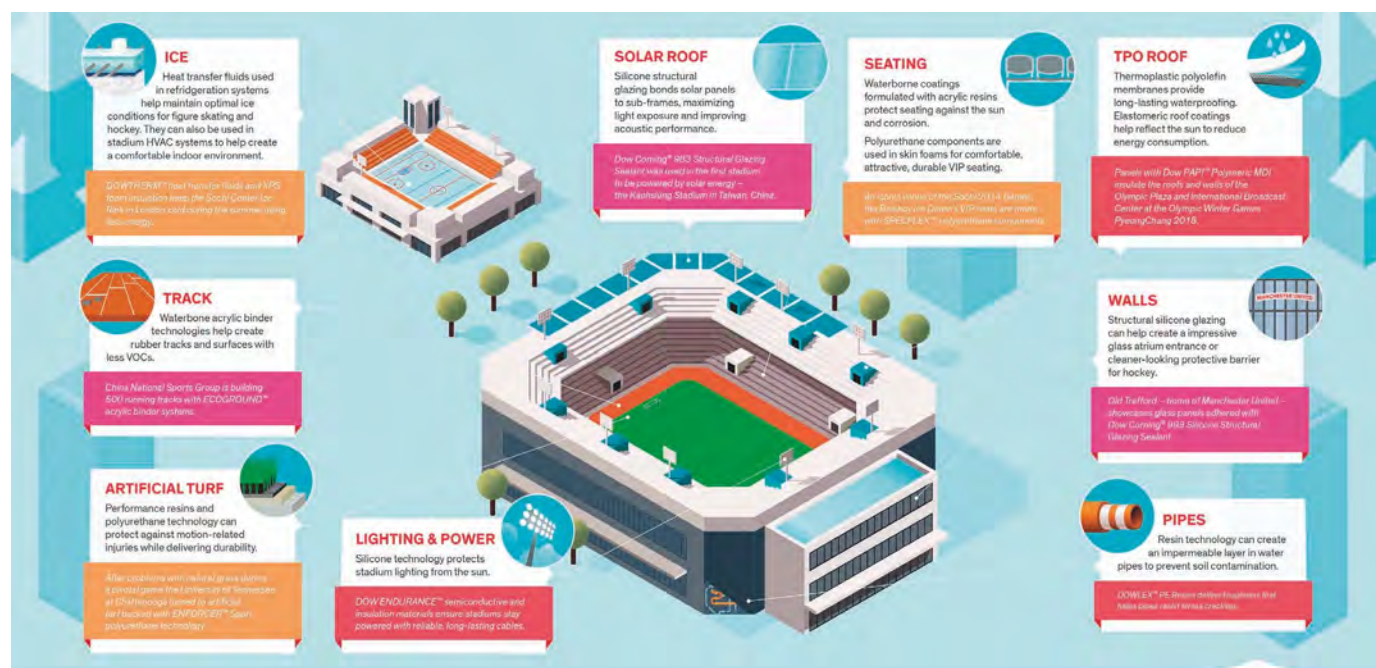
The Olympic Plaza is a landmark venue for the Olympic Games' opening and closing ceremonies and the International Broadcast Centre serves as a main hub for the media. With the average temperature in PyeongChang in February at 1-2°C (33-35°F), it's imperative that buildings are equipped to maximise energy efficiency and keep heating costs down. Both venues feature several technologies from Dow that help retain warm air, while keeping cool air and moisture out. PIR (polyisocyanurate) panels incorporating Dow's Papi Polymeric MDI are used to insulate the walls and roofs. These panels have excellent thermal insulation properties, which will help protect against cold weather during the event and help increase energy efficiency of the buildings.

Also included in the walls and roofs are Voranol and Isonate polyurethane coating technology, as well as Vorastar coating technology that provides waterproof protection for buildings. Dow Corning silicone sealant fills and seals gaps

between walls and doors or window frames to help protect reporters in the International Broadcast Centre from the PyeongChang chill that could seep through the cracks. This air and weather barrier sealant solution has been used in high-profile buildings throughout the world, helping architects improve the airtightness of the building envelope, without sacrificing aesthetics.

The Olympic Sliding Centre also uses Dow insulation technologies but instead of keeping the warm air in and the cold air out, the technologies help maintain the cold temperature and consistency of the ice. A polyurethane spray foam, made with Dow Voranol and Papi Polymeric MDI was used to insulate the Sliding Centre. This insulation solution keeps the ice in the track from melting by offering reliable temperature regulation to maintain exceptional ice conditions and support the safety and performance of the luge, bobsleigh and skeleton competitors.

"Our insulation and sealing technologies help make the Olympic Plaza, the International Broadcast Centre and the Sliding Centre energy efficient venues, as they are key locations for the Olympic Winter Games PyeongChang 2018," said Phillip Oh, Asia-Pacific Commercial Director for Olympic & Sports Solutions "The technologies used to conserve heat in the Olympic Plaza and the International Broadcast Centre and maintain the cold temperature in the Sliding Centre, showcase the depth, breadth and versatility of Dow's construction solutions." **PPCJ**



Other infographics in the science behind sport series:  
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On behalf of my colleagues, it is my great pleasure to welcome you, once again, to the Dubai International Convention & Exhibition Centre for the **Middle East Coatings Show 2018**, organised by dmg :: events.

The **Middle East Coatings Show**, now in its 25th year, is still the only dedicated coatings event in the Middle East and Gulf Region for raw materials suppliers and equipment manufacturers for the coatings industry.

Coatings production continues to grow throughout the Middle East and the **Middle East Coatings Show** is undoubtedly one of the major events in the world for the coatings industry and provides an excellent opportunity to suppliers of chemical raw materials, process plant and test equipment.

The **Middle East Coatings Show** is a three-day event and will allow you to spend more time exploring your business requirements and to have the opportunity to return for a second visit or bring colleagues to meet and discuss your needs.

The **Middle East Coatings Show** will be promoting the latest paint and coatings technologies for the region's environmental, manufacturing and industrial needs. This is your best opportunity to make the most of an international networking forum and meet representatives from the world's leading manufacturers and suppliers.

A series of Business Presentations will be given by exhibitors during the first two days within the hall, to which all visitors are invited free-of-charge, so don't miss this great opportunity to hear first hand about new developments, techniques and solutions.

Also, published each day are the ever-popular Show Dailies, in which news and



views will be highlighted to guide visitors to meet potential business opportunities.

The **Middle East Coatings Show** takes place annually in Dubai and the **Egyptian Coatings Show (ECS)** every two years in Cairo and the next **ECS 2019** will be held in October 2019 offering a further opportunity to expand your business relations in this region.

I do hope you find your visit to the **Middle East Coatings Show** successful, rewarding and profitable and we wish our international visitors an enjoyable stay in Dubai.

**Ian Faux**  
Vice President  
dmg events (MEA) Ltd



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## Q9

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Al Sanea Chemical Products was established in 1977. Its manufacturing range covers more than 100 formulations: mainly industrial cleaners and a wide range of disinfectants. The Al Sanea Chemical Products is one of the most diversified and highly regarded business houses in Kuwait. This company is co-exhibiting with Horizon Chemicals.

## M6

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Stand contact: Bruce

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## F6

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Stand contact: Tong Meng

Anhui Shenjian New Materials Co Ltd is a leading producer of saturated polyester resin for powder coatings. Shenjian was founded in 1989 and has a production capacity of 210,000t/yr of polyester resins. Today, Shenjian is one of the biggest producers for saturated polyester resins (powder coatings field) in the world.



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Website: [www.alnahdafz.com](http://www.alnahdafz.com)

Stand contact: Arun Vijayan

Anichem has been distributing chemicals in the region for more than 35 years. Products range from acetates, acrylates, alcohols, cellulose ethers, additives, glycols, ketones, solvents, polymer emulsions and RDP. The company believes it is vital to have a long term business relationship, hence it strives to forge strong relations with quality international suppliers.



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## الكربونات العربية Arabian Carbonate



### D5A

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Email: omar.elbadii@

arabiancarbonate.com

Website: www.arabiancarbonate.com

Stand contact: Omar El Badii

With Saudi Arabia mining operations, production and R&D lab facilities, Arabian Carbonate offers many different calcium carbonate grades to its customers. Calcium carbonate natural and coated grades branded as ArabianCarb are in different sizes from D98 3.5µm and 90% less than 2µm to the granules of 3mm.

### J20

#### Arabian Zinc Oxide Factory

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Saudi Arabia

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Email: kaushikks@alsuwaidi.com.sa

Website: www.arabianzinc.com

Stand contact: Mr Kaushik Shah

A manufacturer of various grades of zinc oxide and zinc dust for the coatings industry. This company is co-exhibiting with H.A.K. Industrial Chemicals LLC.

### G17

#### Aron Universal



### S2

#### ASCOM for Carbonate & Chemicals Manufacturing (ACCM)

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Stand contact: Ahmed Niazy

ACCM began production in 2009 and has since developed a world class reputation. It provides its clients with high quality and cost-effective products manufactured from Ground Calcium Carbonate (GCC), produced using the highest ethical, environmental and safety standards. Its products, which are sold under the ACCM trademark and exported to all corners of the world are critical components for the: paper, plastics, paints, coatings, and construction industries.

### S6

#### Asha Penn Color Pvt Ltd

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Website: www.ashapenncolor.com

Stand contact: Mr B B Sen

Asha Penn Color Pvt Ltd (APC) is a joint venture between Asha Dispersions Pvt Ltd Mumbai, India and Penn Color Inc of the USA. APC produces pigmented chips, which are concentrated solid pigment dispersions based on various resins, such as Nitrocellulose, Vinyl, Acrylic, Poly Vinyl Butyral, Polyamide, CAB etc. APC also produces pigment preparations in liquid form for various end applications, such as industrial coating, wood lacquer, automotive paints etc. This company is co-exhibiting with ABC Chemical Exports Pvt Ltd.

### K15

#### Ashland Speciality Ingredients

Ashland Speciality Ingredients, 3303

Mazaya Business Towers

AA1, Jumeriah Lakes Towers

PO Box 126922 Dubai, UAE

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Email: mgogte@ashland.com

Website: www.ashland.com

Stand contact: Mukund Gogte

Ashland Speciality Ingredients is a US-based speciality chemical company manufacturing a range of products for the coatings and construction chemicals manufacturers. This company is co-exhibiting with Vink Chemicals GmbH & Co KG.

### N12A

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Website: www.colourindia.com

Stand contact: Bharat Kaura

This company is co-exhibiting with Shepherd Color.

### L16

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Website: www.bluepard.com

Stand contact: Shen Jie

Being Instrument Inc supplies laboratory instruments, in the fields of temperature and humidity treatment, material processing, Electronic ageing for universities, research facilities and labs. It has plenty of experience in lab instrument manufacturing. Now it has combined its experience and the latest technology to meet your demands. Main products: Xenon test chamber, UV test chamber, temperature & humidity chambers, ageing test chamber, salt spray corrosion test chamber, vacuum ovens, drying ovens, incubators, shakers, etc.

### R12

#### BendaLutz - Sun Chemicals

Stand contact: Hannes Loichtl

Metallic Effects: Benda-Lutz is one of the global players for metallic pigments production for the paint, powder coating, ink & plastic industries, as well as one of the main producers of aluminium flakes for the autoclaved aerated concrete industry. Benda-Lutz has five production sites - in Austria (headquarters), Poland, Russia, USA and China. This company is co-exhibiting with Tawazon Chemical Company LLC.

### H4

#### BEVS Industrial Co Ltd

3rd Floor, Building A, No 257 Junye Road, Huangpu District, Guangzhou Guangdong 510530, PR China

Tel: +86 20 2903 8636

Email: sales@bevsinfo.com

Website: www.bevsinfo.com

Stand contact: Wilson Tan

BEVS Industrial Co Ltd is a testing instruments manufacturer in the field of coatings, paint, resins and ink. Its quality control and testing instruments are made abiding by the highest standards and combined with today's most advanced technology.

### S6

#### BIP (Oldbury) Ltd

Tat Bank Road Oldbury

West Midlands, B69 4NH, UK

Tel: +44 121 544 1555

Fax: +44 121 552 6148

Email: ian.whyley@bip.co.uk

**Website:** [www.bip.co.uk](http://www.bip.co.uk)

**Stand contact:** Mr Ian Whyte

BIP (Oldbury) Ltd is a leading UK-based manufacturer of an extensive range of polymers under the Surkopak & Surkofilm trademarks. These PU resins are used throughout the printing ink industry. These types of resins are designed specifically for the manufacture of solvent-based inks for use in various food packaging applications. This company is co-exhibiting with ABC Chemical Exports PVT Ltd.

## L2

**Biuged Instruments Co Ltd**

Rm 101, No 3, Sicheng Road, Gaotan Software Park, Tianhe Dist, Guangzhou Guangdong 510660, PR China

**Tel:** +86 13 3160 3898

**Email:** [sara@biuged.com](mailto:sara@biuged.com)

**Website:** [www.biuged.com](http://www.biuged.com)

**Stand contact:** Sara Yao

A regular exhibitor to MECS, Biuged still wants to give visitors a surprise. This time the company will show its new product, the Multifunction HSD machine. Biuged welcomes your visit and appreciates your valuable advice.

## G1

**Bodo Möller Chemie GmbH**



## K7

**Bonyan Kala Chemie Company (BKC)**

Unit 4, No 2, 1 3th St, Bokharest Ave Tehran 1513754915, Iran

**Tel:** +98 91 2290 2522

**Fax:** +98 21 8871 6808

**Email:** [imankh@bkc.com.cy](mailto:imankh@bkc.com.cy)

**Website:** [www.bonyankala.com](http://www.bonyankala.com)

**Stand contact:** Iman Khatami

Expert in unsaturated poly ester resins, driers and alkyds.

## D4A

**Bühler AG**

## M6

**Buss AG**

Hohenrainstrasse 10, 4133 Pratteln Switzerland

**Tel:** +41 61 825 6600

**Email:** [gianluca.tregnago@busscorp.com](mailto:gianluca.tregnago@busscorp.com)

**Website:** [www.busscorp.com](http://www.busscorp.com)

**Stand contact:** Mr. Gianluca Tregnago

Buss is a global leader in high-end compounding systems. The Buss kneader is an extremely versatile compounding extruder

with excellent references in the powder coating industries. The latest generation of Buss kneaders for powder coatings, the extended PCS Series, is designed to cover an extremely wide range of formulations ranging from highly reactive low bake applications to high gloss and clear coatings. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.



## J6

**BYK-Chemie GmbH**

Abelstrasse 45, Wesel 46483, Germany

**Tel:** +49 281 670-0

**Fax:** +49 281 657-35

**Email:** [info@byk.com](mailto:info@byk.com);

[Ralf.vanBekkum@altana.com](mailto:Ralf.vanBekkum@altana.com)

**Website:** [www.byk.com](http://www.byk.com)

**Stand contacts:** Ralf van Bekkum;

Thorsten Gärtner

BYK is a leading provider of speciality chemicals in the area of additives and instruments. Even small quantities of additives can improve product properties or the gloss of surfaces. BYK employs around 2100 people in 16 production facilities throughout the world.

## J6

**BYK-Gardner GmbH**

Lausitzer Strasse 8, Geretsried Bavaria 82538, Germany

**Tel:** +49 8171 3493 163

**Fax:** +49 8171 3493 140

**Email:** [info.BYK.Gardner@altana.com](mailto:info.BYK.Gardner@altana.com);

[hardy.bunkowski@altana.com](mailto:hardy.bunkowski@altana.com)

**Website:** [www.byk.com](http://www.byk.com)

**Stand contacts:** Friedhelm Fensterseifer;

Hardy Bunkowski

BYK-Gardner: Instruments to objectively measure colour, appearance and physical properties of coatings and plastics. BYK-Gardner is committed to providing complete system solutions to solve your problems in areas of colour, appearance, and physical properties. BYK-Gardner is part of ALTANA and a direct subsidiary of BYK-Chemie.



## F17

**Cantarella & Molteni srl**

Via Giuditta Pasta 120, Milano 20161

Italy

**Tel:** +39 02 9533 9084

**Email:** [delia.bassanini@cantarellaemolteni.it](mailto:delia.bassanini@cantarellaemolteni.it)

**Website:** [www.cantarellaemolteni.it](http://www.cantarellaemolteni.it)

**Stand contact:** Claudio Cantarella

Cantarella & Molteni is a leading company in the field of colour sampling for the paints and coatings industry. C&M is an ideal partner for the creation of colour marketing tools. Its experience has enabled it to establish collaborations with all the major paints brands in the world.

## M6

**Cathay Industries (Africa) (Pty) Ltd**

Lion Roars Office Park, Block A, First Floor, Cnr 3rd Avenue and Heugh Road Walmer, Port Elizabeth, 6070 South Africa

**Tel:** +27 82 551 5405

**Email:** [hans@cathayindustries.co.za](mailto:hans@cathayindustries.co.za)

**Website:** [www.cathayindustries.co.za](http://www.cathayindustries.co.za)

**Stand contact:** Mr Hans Wiegand

Cathay Industries is one of the largest manufacturers of synthetic iron oxide pigments in the world. It supplies market leaders in both the construction and coatings industries with an extensive range of the highest quality products that include iron oxide, titanium dioxide, calcined kaolin, calcium carbonate, cellulose and white cement for commercial applications. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.

## M6

**Cathay Industries Asia Pacific Ltd**

Suite 901a, 9/F, Chinachem Golden Plaza, 77, Mody Road, Tsimshatsui East Kowloon, Hong Kong

**Tel:** +852 2721 2257

**Email:** [dahod1947@gmail.com](mailto:dahod1947@gmail.com)

**Website:** [www.cathayindustries.com](http://www.cathayindustries.com)

**Stand contact:** Mr David Hodges

Cathay Industries is one of the largest manufacturers of synthetic iron oxide pigments in the world. It supplies market leaders in both construction and coatings industries with an extensive range of the highest quality products that include iron oxide, titanium dioxide, calcined kaolin, calcium carbonate, cellulose and white cement for commercial applications. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.

## C10

**CCPIT Sub-Council of Chemical Industry**

Bldg No 16, Block 7, Hepingli, Dongcheng District, Beijing 100013, PR China

**Tel:** +86 10 6427 2119

**Mobile:** +86 135 5291 7634



**Email:** wangqi@ccpitchem.org.cn

**Website:** www.ccpitchem.org.cn

**Stand contact:** Wang Qi

CCPIT Sub-council of Chemical Industry and CCOIC Chemical Industry Chamber of Commerce are the branch organisations of CCPIT and CCOIC. It belongs to China Petroleum and Chemical Industry Federation (CPCIF) and works as CPCIF Conference and Exhibition Department. CCPIT Sub-council of Chemical Industry is the certified member of UFI and Shanghai Convention & Exhibition Industries Association (SCEIA).

## P8/P13/P15

**CFF GmbH & Co KG**

Arnstaedter Strasse 2, Gehren 98708  
Germany

**Tel:** +49 36783 882-0

**Fax:** 49 36783 882-252

**Email:** cff@cff.de

**Website:** www.cff.de

**Stand contact:** Christian Ross

CFF is a global supplier of natural and functional cellulose fibres for building chemical applications. Its Technocel® fibre range provides an outstanding mix of functionality and the benefit of natural raw materials for high-quality paints, plasters, mortars and tile adhesives, compounds for thermal insulation composite systems, grouting masses and bitumen applications. This company is co-exhibiting with Dia33.

## E2

**Changzhou Hickory Chemical Co Ltd**

No 2 Weihua Road, Chunjiang Town  
Xinbei District, Changzhou  
Jiangsu Province, PR China

**Tel:** +86 519 8962 8252; 8520 2312

**Mobile:** +86 151 6118 2944

**Email:** andy.fei@hickchem.com

**Website:** www.hickchem.com

**Stand contact:** Andy Fei

High quality (methyl) hydroxyl acrylate  
professional manufacturer

## F4

**Chemcoat**

## H12

**Chemical Partners Europe**



## R20

**Chemipol**

**C/ Joan Monpeó 149, Terrassa 08223  
Spain**

**Tel:** +34 937 837 580

**Email:** chemipol@chemipol.com

**Website:** www.chemipol.com

**Stand contact:** Eduard Broto

Chemipol produces and commercialises biocides and specialities for coatings, adhesives, inks and construction materials since 1979, providing full technical service and support to customers.

## K10

**ChemischeFabrikBudenheim KG**

Rheinstrasse 27, 55257 Budenheim  
Germany

**Tel:** +49 613 9890

**Email:** coatings@budenheim.com

**Website:** www.budenheim.com

**Stand contact:** Mike Demmler

Budenheim is one of the leading producers of high-end phosphate solutions for the paint & coating industry. Its products are key ingredients in intumescent paints for steel and wood protection, also in adhesives, insulation materials and textile applications Budenheim is the chemical division of the globally operating Dr Oetker group. This company is co-exhibiting with Reda Chemicals.

## H5

**Chemours**

## K30

**China Changsha Zhonglong Chemical Co Ltd**

No 766, Wuyi Road, Changsha  
Hunan Province, PR China

**Tel:** +86 731 8442 7228

**Mobile:** +86 137 8702 4929

**Email:** sales@cszl.com.cn

**Website:** www.cszl.com.cn

**Stand contact:** Mr Geoff Chen

China Changsha Zhonglong Chemical Co Ltd is a group company, which has been engaged in pigment manufacturing for more than 10 years. With many years experience in R & D technology and conversion, Zhonglong Chemical devotes itself to producing and marketing high quality iron oxide pigments and ceramic pigments.

## H25

**CHNV Technology Co Ltd**

No 5, Qiaotai Street, Qiao Xin Xi Yi  
Road, Qiaotou Town, Dongguan  
Guangdong 523525, PR China

**Tel:** +86 769 8334 8666

**Mobile:** +86 136 0966 3540

**Email:** zhangli@gdchnv.com

**Website:** www.gdchnv.com

**Stand contact:** Ms Zhang Li

CHNV Technology Co Ltd specialises in the production of environmentally friendly stearate salts for plastics, rubber and paints industries. Its main products are zinc stearate, calcium stearate, magnesium stearate and WPC polymeric lubricant. Production capacity: 60,000t/yr for stearate salts; 40,000t/yr for special agents, such as WPC lubricant, etc.

Achieved RoHS, REACH pre-registration and FDA test report and does business with customers from Europe, Middle East, Southeast Asia and America etc.

## F1

**CIM Trading Co FZC**

Unit 20G-04, Hamriyah Free Zone  
Sharjah PO Box 41382, UAE

**Tel:** +971 6 5260 892

**Fax:** +971 6 5260 894

**Email:** info@cimtrading.com

**Website:** www.cimtrading.com

**Stand contact:** Farnoush Sheikhan

CIM Trading Co was established in 2006 and is a representative for several European manufacturers in the Middle East. CIM supplies equipment to paint, coating, plastic, printing & packaging industries in the region. Products include: solvent recycling machines, waste water treatment, washing systems for the printing and packaging industry, mixing & milling systems for the coating industry. This company is co-exhibiting with IST Italia Sistemi Tecnologici SpA.



## N2

**Cimsa Cimento**

Kisikli Caddesi Sarkuysan-Ak Is  
Merkezil S Blok No 4 Altunizade-  
Uskudar, 34000 Istanbul, Turkey

**Tel:** +90 21 6651 5300

**Email:** y.aslan@cimsa.com.tr

**Website:** www.cimsa.com.tr

**Stand contact:** Yasin Aslan

Cimsa, a leading Turkish cement company, supplies Calcium Aluminate Cement, Calcium Aluminate Aggregate, White Portland Cement, White Summer Blend, White Masonry Blend to its customers in the USA. Çimsa, as a reliable business partner, meets its customers' product needs in full and in a timely manner with its market-oriented approach.

## N11

**Clean Blast International**

Dubai Investment Park 2 (DIP 2)

PO Box 93716, Dubai, UAE

**Tel:** +971 4 884 7344

**Email:** sales@clean-blast.com

**Website:** www.clean-blast.com

**Stand contact:** Rebi Basheer

Clean Blast International offers a complete range of surface preparation equipment and accessories. Its portfolio of products is categorised mainly into blasting & painting equipment, concrete surface preparation machines, and diamond cutting technologies. This company is co-exhibiting with DeFelsko Corporation.

## D6

**CNNC Huayuan Titanium Dioxide Co Ltd**

No 8 Xingfu Rd, The Industrial Area of Xibei Town, Xishan District, Wuxi Jiangsu 214194, PR China

**Tel:** +86 510 8501 6667-8311

**Mobile:** +86 136 6511 7507

**Email:** xiyundan@sinotio2.com

**Website:** www.sinotio2.com

**Stand contact:** Jessica

CNNC Huayuan Titanium Dioxide Co Ltd (CHTI), established in 1989, is a large specialised producer of titanium dioxide. It is customer-demand oriented and makes an unremitting effort to meet high standards and to strive for excellent products. In this way, it gains competitiveness; and stands out as an influential producer.



## D8

**Coatings Group**

**Polymers Paint Colour Journal**

**dmg::events (MEA) Ltd**

Quartz House, 20 Clarendon Road Redhill, Surrey RH1 1QX, UK

**Tel:** +44 (0)1737 855000

**Fax:** +44 (0)1737 855034

**Email:** coatingsgroup@dmgeventsme.com

**Website:** www.coatingsgroup.com

**Stand contacts:** Kez Chen, Group Sales

**Director;** Chris Malthouse, Editor

The Coatings Group organises a number of successful coatings exhibitions, conferences and events around the world, as well as publishing *PPCJ* and sister magazine, *APCJ*. *PPCJ* is the leading magazine for the coatings industry throughout Europe, the Middle East and North Africa, while *APCJ* is dedicated to the coatings industry in South East Asia, the Pacific Rim, Australasia and China. As well as staging the highly successful *Middle East Coatings Shows*, the Coatings

Group holds events in North Africa, South Africa and Asia.



## G15

**Coloris**

2648, RN7 Le Plein Ciel

Villeneuve-Loubet 06270, France

**Tel:** +33 (0)4 92 02 61 90

**Email:** colorants@coloris-gcc.com

**Website:** www.coloris-gcc.com

**Stand contact:** Christine Milani

French Manufacturer of colourants for paints and tinting systems, pigment dispersions for In-Plant tinting and POS. Also offers formulation service and manufacturing of customised colours. Its latest generation equipment and its worldwide patented polymeric technology, lead it to the top of one of the most performing colourant plants in Europe.

## K14

**Comec**

Via Consolini, 12, Canossa 42026, Italy

**Tel:** +39 0173 230430

**Email:** cristina.cordero@dromont.com

**Website:** www.comec.eu.com

**Stand contact:** Mrs Cristina Cordero

Comec, specialised in dispersing and milling, takes pride in the technical flexibility of a science-based organisation to provide unique solutions for more than 40 years. Comec, in complete synergy with Dromont, works in tight co-operation with its clients researching and developing new leading-edge opportunities.



## P16

**Coprabel SA**

Avenue Vesale 20, Wavre 1300, Belgium

**Tel:** +32 1023 8280

**Fax:** +32 1023 8289

**Email:** info@coprabel.com

**Website:** www.coprabel.com

**Stand contact:** Ammar Naamani

Coprabel specialises in the production of decorative products for interior and exterior design and distributes raw materials to

paint manufacturers. Its objective is to become a top quality one-stop-shop for interior and exterior design needs. It uses the latest technologies, carefully sourced raw-materials and provides environmentally friendly products.



## E12

**Covestro**

MS Global AG, Dubai Branch, Office 110 & 112, Al Barsha South 2, Dubai-UAE  
Dubai Science Park Building, Dubai UAE

**Tel:** +971 4275 7301

**Email:** kss.subramanian@covestro.com

**Website:** www.covestro.com

**Stand contact:** Subramanian KSS

With sales of about €11.9bn in 2016 and 15,600 employees, Covestro is among the world's largest manufacturers of high-tech polymer materials. The company's innovative products and solutions are used in many key applications that helps improve quality of life, thus making the world a brighter place.



## P3

**Cristal**

Sari Street (in front of Airport Municipality) Al Rabwah District, PO Box 13586, Jeddah, 21414, Saudi Arabia

**Tel:** +966 12 4324 8260

**Email:** Ahmed.Saadi@cristal.com

**Website:** www.cristal.com

**Stand contact:** Ahmed Saadi

Cristal is one of the world's largest producers of titanium dioxide and a leading producer of titanium chemicals. With more than 3400 employees on five continents, it is a leader in innovation and manufacturing of titanium dioxide. Cristal is proud to offer high performance TiONA® TiO<sub>2</sub> products for paint and coatings.

## CS1

**Dalian Bio-Chem Company Limited**

11F, Anda Business Mansion, No 32 Wuwu Road, Zhongshan District Dalian 116001 PR China

**Tel:** +86 411 8273 5006

**Mobile:** +86 135 0071 2013

**Email:** xianwu@biofc.com

**Website:** [www.biofc.com](http://www.biofc.com)

**Stand contact:** **Huo Dong**

Dalian Bio-Chem Company Limited founded in 2003, specialises in the production of biocides and preservatives for different industrial and household applications. Right now, it has a number of patents related with CMIT/MIT, MIT, OIT, DCOIT, BIT and formulations, etc. Dalian Bio-Chem has become a famous manufacturer of Isothiazolin biocide in Asia. Its products are being widely used in the fields of water treatment, paper and pulp, oil field, paint and coatings, cosmetics, etc. The company has three production bases, located in Songmudao, Lvshun and Shenyang respectively. 'Environmental Protection, Quality and Service' is the company's philosophy.



## T12

**Datcolor AG Europe**

Loorenstrasse 9, Dietlikon 8305  
Switzerland

**Tel:** +49 17 1978 4955

**Email:** [folschewski@datacolor.com](mailto:folschewski@datacolor.com)

**Website:** [www.datacolor.com](http://www.datacolor.com)

**Stand contact:** **Fred Olschewski**

The world's leading brands, manufacturers and creative professionals have used Datacolor's innovative solutions to consistently achieve the right colour for more than 45 years. The company provides sales, service and support in more than 100 countries worldwide. Industries served include textile and apparel, paint and coatings, automotive, plastics, photography and videography.

## K13

**De Vree**

Toekomstlaan 10, Merksem  
Antwerp 2170, Belgium

**Tel:** +32 3 641 43 00

**Fax:** +32 3 646 48 15

**Email:** [sales@devree.com](mailto:sales@devree.com)

**Website:** [www.devree.com](http://www.devree.com)

**Stand contact:** **Gert Van Herwegen**

De Vree from Belgium designs and manufactures semi and fully automatic filling and packaging equipment for industrial fluids, such as paints, solvents, thinners, hardeners, adhesives etc. De Vree offers both weight fillers and volumetric filling machines. The company is the preferred supplier to a number of world leading paint and coatings manufacturers.

## N11

**DeFelsko Corporation**

800 Proctor Ave  
Ogdensburg, NY 13669  
USA

**Tel:** +1 315 393 4450

**Email:** [techsale@defelsko.com](mailto:techsale@defelsko.com)

**Website:** [www.defelsko.com](http://www.defelsko.com)

**Stand contact:** **Terry Larue**

DeFelsko, a leading US manufacturer of inspection instruments, proudly manufactures PosiTector and PosiTest brand of instruments including the PosiTector series of interchangeable probes for measuring coating thickness, profile, environmental conditions, salt contamination, Shore hardness and wall thickness. Products include PosiTector 6000 series of gauges and PosiTest Low voltage Pinhole Detector.

## P8/13/15

**Dia33**

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Sheikh Zayed Street  
Dubai 454843, UAE

**Tel:** +971 4 454 1381

**Fax:** +971 4 454 1382

**Email:** [sabiha.khan@dia33.com](mailto:sabiha.khan@dia33.com)

**Website:** [www.dia33.com](http://www.dia33.com)

**Stand contact:** **Sabiha Khan**

Established in Jan 2011, DIA33 is one of the leading Speciality & Industrial Chemicals distribution companies in the Middle East, East Africa, Asia, Pacific and the Far East. It offers a comprehensive portfolio of basic and speciality chemical raw materials for a wide range of applications, such as paints, coatings, construction, plastics, lubricants etc.

## J11

**DIAF Pilvad A/S**

Praestemosevej 2-4  
Fredensborg 3480  
Denmark

**Tel:** +45 21 692077

**Fax:** +45 49 163242

**Email:** [hans.peter.hansen@pilvaddiaf.com](mailto:hans.peter.hansen@pilvaddiaf.com)

**Website:** [www.pilvaddiaf.com](http://www.pilvaddiaf.com)

**Stand contact:** **Hans Peter Hansen**

Diaf was founded in 1912 and is involved with the manufacture of production equipment for the chemical/processing industry, paint and ink industry. Today, Diaf is one of the leaders when it comes to planning, engineering, development, construction, know-how, installation, start-up/commissioning of turnkey projects for dissolvers, mixers, homogenisers, bead mill, filling equipment etc. This company is co-exhibiting with Dynamech Industries (M) Sdn Bhd.

## H24

**Dongsun Powder Processing  
Equipment Co Ltd**

13 Jinxi Industrial Estate, Zhifu APEC  
Park, Yantai, Shandong, PR China

**Tel:** +86 535 211 8958

**Mobile:** +86 138 6457 0840

**Email:** [powtech\\_yantai@163.com](mailto:powtech_yantai@163.com);

[sales@ytopsuns.com](mailto:sales@ytopsuns.com)

**Website:** [www.ytopsuns.com](http://www.ytopsuns.com)

**Stand contact:** **Ray Hao**

Dongsun is taking the lead in powder coating production equipment manufacturing in China with products, such as mixers, extruders, cooling belts and ACM mills with CE etc international standards. It exports to nearly 40 countries globally.

## K14

**Dromont**

Via Borzone, 42, Grinzane Cavour 12060  
Italy

**Tel:** +39 0173 230430

**Email:** [cristina.cordero@dromont.com](mailto:cristina.cordero@dromont.com)

**Website:** [www.dromont.com](http://www.dromont.com)

**Stand contact:** **Mrs Cristina Cordero**

Dromont is an established company, leader in dispensing knowledge, producer of factory systems and industrial applications, highly specialised in the paint industry, since 1987. The company is strongest in the developed economies where automation and high end productivity equipment are usually required the most.

## M6

**DSM Coating Resins BV**

Sluisweg 12, 5145 Pe Waalwijk  
The Netherlands

**Tel:** +31 41 668 9811

**Email:** [erwin.laere-van@dsm.com](mailto:erwin.laere-van@dsm.com)

**Website:** [www.dsmcoatingresins.com](http://www.dsmcoatingresins.com)

**Stand contact:** **Mr Erwin Van Laere**

DSM aims to grow the market for coating resins with sustainable solutions that match its customers' needs. It is its firm belief that only by collaboration with its customers and other partners, it can achieve its ambition of a brighter future for people today and generations to come. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.

## J11

**Dynamech Industries (M) Sdn Bhd**

No 11-1, Jalan Puteri 4/1, Bandar Puteri  
Puchong, Selangor 47100, Malaysia

**Tel:** +603 8068 1888

**Fax:** +603 8068 1999

**Email:** [sales@dynamech.com](mailto:sales@dynamech.com)

**Website:** [www.dynamech.com](http://www.dynamech.com)

**Stand contact:** **Michael Cheah**



# PPCJ

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Dynamech Industries is the pioneering machine producer for horizontal grinding mills, vertical bead mills, triple roller mills, high speed mixers, twin or tri-shaft mixers, packing machines etc. Grinding media, such as zirconium beads, glass beads, chrome steel balls and others are available.

## H18

### ECUTEC Barcelona SL

Gran Via Corts Catalanes 641 6è 4ª  
Barcelona 08010, Spain

**Tel:** +34 9 3247 7700

**Fax:** +34 9 3247 7701

**Email:** office@ecutec.eu

**Website:** www.ecutec.eu

**Stand contact:** Joe Roettler

This company is co-exhibiting with  
NETZSCH-Feinmahltechnik GmbH.

## S4

### Ege Kimya San Ve Tic AS

Ayazma Cad. No 37 Papius Plaza Kat  
10 Kagithane, Istanbul 34410, Turkey

**Tel:** +90 54 9746 4015

**Email:** bservetoglu@egekimya.com

**Website:** www.egekimya.com

**Stand contact:** Banu Servetoglu

Founded in 1955, Ege Kimya is one of the precursors of the Turkish Chemicals Industry. Ege Kimya is headquartered in Istanbul, Turkey and the production facility is in Adapazarı, Turkey. It is ready to serve you and your company with its strong R&D and experienced staff.

## Q10

### Elcrom Srl

Via Settembrini, 39, Lainate 20020  
Italy

**Tel:** +39 04 3223 3141

**Email:** export@jcolors.com

**Website:** www.elcrom.it

**Stand contacts:** Dr G Andrea Boffito;  
Sig Massimo Vallini

Elcrom offers a wide range of colourants for Point of Sales and for In-Plant tinting. Elcofast Easy with a 16-colourant range system embeds quality and compatibility with any solvent-binders.

The Gemini Industrial System with its 24 colourants enjoys the widest binder compatibility in both water- and solvent-based industrial coatings. This company is co-exhibiting with J Colors SpA.

## Q18

### El-Mohandes for Coatings & Solvents

Cairo- Alex Desert Road, Km 71  
Janaklis Entrance, Behira  
Abou El-Matamir 22732, Egypt

**Tel:** +20 45 2452 102

**Fax:** +20 45 2452 101

**Email:** sourcing-exh@el-mohandes.com

**Website:** www.el-mohandes.com

**Stand contact:** Seifeldin Hashish

El-Mohandes was established in 1998, in Janaklis, Behira, which is about 80km from Alexandria port. The company has quickly transformed the solvents business in Egypt with its wide product range and unique service. It adheres to strict quality, health and safety regulations to ensure safe and efficient operation services.

## P17

### Environ Speciality Chemicals Gulf FZE

Office #310, Business Center 06  
Al Mareed Building, RAK Free Trade  
Zone, PO Box: 56302, Ras Al Khaimah  
UAE

**Tel:** +91 99 6964 3113

**Fax:** +91 22 4003 9240

**Email:** ravi@environchemfze.com

**Website:** www.environchemfze.com

**Stand contact:** Ravi Ahuja

Environ Speciality Chemicals is a Multinational Chemical Distributor headquartered in Mumbai, India with a presence in eight countries in Asia. Since 1995, Environ Speciality Chemicals has been distributing a wide range of chemicals and additives to the lubricant, polymer, coating, ink and adhesives industries.

## M6

### Erichsen GmbH & Co KG

Am Iserbach 14, 58675 Hemer, Germany

**Tel:** +49 2372 9683-0

**Email:** info@erichsen.de

**Website:** www.erichsen.de

**Stand contact:** Mr Markus Moritz

Erichsen Germany researches, develops, designs and manufactures testing equipment and machines for the following fields of application: sheet metal testing, surface testing, corrosion testing, materials testing. It is one of the few companies that operates its production in Germany only. That means quality, reliability, timeliness, sophisticated production techniques and durable products. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.



## T8

### Esterpol Performance Resins

Dubai Investment Park-2  
PO # 185 Dubai, UAE

**Tel:** +971 56 808 1358

**Email:** info@esterpol.com

**Website:** www.esterpol.com

**Stand contact:** Jameer Hasan

Esterpol is a global brand synonymous for high performance chemicals based on polyester, acrylic and polyurea chemistry. Esterpol's mission is to provide sustainable, winning solutions in the polyurethane and coatings industry. Providing toll manufacturing services for resins and blending.

## F2

### Euchemy Industry Co Ltd

901, Building D, Ocean International  
Center, Gongshu District, Hangzhou  
Zhejiang 310015, PR China

**Tel:** +86 571 8816 2019

**Fax:** + 86 571 88162029

**Email:** vicky@euchemy.com

**Website:** www.euchemy.com

**Stand contact:** Vicky Shen

Euchemy is one of the leading Chinese manufacturers with more than 15 years' rich experience in the pigments industry. Its products include: ion oxide, titanium dioxide and organic pigments etc. They are widely used in paints, coating, inks, plastics and concrete products etc. The company aims to develop its pigments business throughout the world.

## C6B

### Eurochem International FZE

PO BOX 8655, Y14 Saif Zone, Sharjah  
UAE

**Tel:** +971 655 71654

**Fax:** +971 655 71933

**Email:** info@eurochem.net

**Website:** www.eurochem.net

**Stand contact:** Anirudh Raghuvanshi

Eurochem is a key supplier of raw materials for the paints, resins, inks, adhesives and construction chemicals industry. It represents producers from Germany, Italy, China, the Netherlands, India and Korea and operates out of the Free Zone in Sharjah. The company also deals in dispensers, shakers, lab equipment, powder coating lines, colour cards, grinding media and machinery for paint production. Established markets are the Middle East and Africa. The company has an ISO 9001:2015 accreditation.

## M6

### Everlight Chemical Industrial Corporation

6th Fl, 77 Tun Hua S Rd, Se 2, Taipei  
Taiwan

**Tel:** +886 22 706 6006

**Email:** nicklin@ecic.com.tw

**Website:** www.ecic.com

**Stand contact:** Mr Nick Lin

Everlight Speciality Chemical Business

Unit (SCBU) is a part of Everlight Chemical Group. SCBU mainly produces light stabilisers (UV absorbers and HALS) in Taiwan for various paint/coating automotive OEM and refinish coating, wood coating, powder coating, aerospace coating, industrial coating, decorative coating, agricultural coating, marine coating, water-based coating, UV curable coating, etc. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.



## J9

### Evonik

**Rellinghauser Str 1-11, Essen 45128  
Germany**

**Tel: +49 201 177 01**

**Email: coatings@evonik.com**

**Website: www.evonik.com/coatings**

**Stand contact: Holger Maasewerd**

One partner. Many experts. That means Evonik is a leading speciality supplier for coatings and adhesives. After all, it doesn't just work for its customers, it also works with them. This enables it to develop tailored solutions for your products – as a creative partner all along the formulation process.

## M6

### Fast & Fluid, The Tinting Company

**Hub Van Doorneweg 31**

**Sassenheim, The Netherlands**

**Tel: +31 02 5224 0800**

**Email: bjanas@idexcorp.com**

**Website: www.fast-fluid.com**

**Stand contact: Mr Bartek Janas**

Fast & Fluid, The Tinting Company, is a world leader in dispensing, shaking and mixing equipment for the paint industry. Its worldwide network of offices, production facilities and sales & service partners is always ready to help you. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.

## L1

### Firsttruth Colorants China Co Ltd

**1105-09 Famous City (A02), 6 Xihu Road  
East, Wuxi, Jiangsu 214011, PR China**

**Tel: +86 510 8203 9970**

**Fax: +86 510 8203 9996**

**Email: wangnw@firsttruthcolorants.com**

**Website: www.firsttruthcolorants.com**

**Stand contact: Nenvo Wang**

Firsttruth Colorants is a high performance pigments and solvent dyes supplier and manufacturer in China since 1997. Its

products have been well accepted by its clients worldwide and are widely used in printing inks, coatings, plastics and rubber etc and related fields. It expects your participation to make the world more colourful together!

## F8B

### Foshan Xintu Chemical Co Ltd

**Room 1618, Miking Plaza, Guangfo**

**Road, Nanhai District, Foshan**

**Guangdong 528248, PR China**

**Tel: +86 757 8576 7080**

**Fax: +86 757 8579 1959**

**Email: sales@xintuchemical.com**

**Website: www.barium-sulphate.com**

**Stand contact: Michelle**

Foshan Xintu Chemical Co Ltd, established in 1988, is a professional manufacturing, developing and marketing company that specialises in high quality white powder chemical products, such as barium sulphate, precipitated barium sulphate, modified superfine precipitated barium sulphate, rutile & anatase titanium dioxide, calcium carbonate and carbon black, etc for the coatings industry.

## M6

### FP-Pigments OY

**Ahventie 4A 21-22, PO Box 11**

**FIN-02171 Espoo, Finland**

**Tel: +49 152 29534196**

**Email: juergen.huehn@fp-pigments.com**

**Website: www.fp-pigments.com**

**Stand contacts: Juergen Huehn;**

**Kai Vogt**

FP-Pigments specialises in high-performance speciality pigments for a variety of applications. Its unique opacifying solutions offer performance benefits and cost effectiveness in paints and coatings, paper and board, plastics, printing inks and other pigment consuming industries. Its products' unique characteristics allow producers to substitute conventional TiO<sub>2</sub> pigments with high value-added effect. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.

## N1A

### FTC Korea

**B-1921 Geumgang Penterium IT Tower**

**810 Gwanyang-dong Anyang-si**

**Gyeonggi-Do, Hwaseong 14056**

**South Korea**

**Tel: +82 31 463 1098**

**Fax: +82 31 463 4255**

**Email: wrpark@ftckorea.com**

**Website: www.ftckorea.com**

**Stand contact: Wooram Park**

FTC Korea is leading manufacturer for the paint & Ink industry in South Korea since

1999. Major products are as follows: Acid catalyst; Additives (levelling agent, adhesion promoter, anti foaming agent, dispersing agents, etc); Tin catalyst for polymerisation of PE resins; and adhesives for tyre cords.

## G20

### G&J Resources

**Unit 502, 7300 Warden Avenue**

**Markham, Ontario L3R 9Z6, Canada**

**Tel: +1 64 7983 3537**

**Fax: +1 90 5604 7009**

**Email: lucas@gandjresources.com**

**Website: www.gandjresources.com**

**Stand contact: Lucas Lai**

G&J Resources is made up of the Sales office of Xinli and Nanjing factory for chloride process TiO<sub>2</sub> and sulphate TiO<sub>2</sub>. They are both top five manufacturers in China. In addition, it also has a vacuum metallised pigment, which is an extremely thin aluminium pigment for the best mirror effect finish.



## N15

### Galstaff Multiresine SpA

**Via Stazione 90, Mornago**

**Varese 210120, Italy**

**Tel: +39 33 8626 2628**

**Fax: +39 03 3190 3777**

**Email: rebizzi@galstaffmultiresine.com**

**Website: www.galstaffmultiresine.com**

**Stand contact: Rebizzi Piercarlo**

Galstaff Multiresine SpA is an Italian company focused on the production of synthetic resins and auxiliaries for coatings. It specialises in the production of: unsaturated polyester resins, saturated polyester resins, aromatic and aliphatic isocyanate, alkyd resins, amino resins with new capacity.

## M20

### Gapuma

**No 4 Kew Wharf, 8 Kew Bridge Road**

**London TW8 0FJ, UK**

**Tel: +44 (0) 208 969 2056**

**Email: yanish@gapuma.com**

**Website: www.gapuma.com**

**Stand contact: Yanish Bhageerutty**

Gapuma is an international materials supplier to the coatings industries in Europe, Middle East, Africa and South America and supplies a wide range of other industrial and speciality chemicals. Gapuma is committed to working closely with the whole supply chain and partners with global chemical leaders for their established products.



## M11

### GBXF Silicones Co Ltd

238251, PR China

**Tel:** +86 25 6890 2686

**Mobile:** +86 151 8982 9099

**Email:** wangyan@guibao.cn

**Website:** www.gbxfsilicones.com

**Stand contact:** Shelly Wang

GBXF Silicones Co Ltd, founded in 2008, is the wholly owned subsidiary of the listed company Chengdu Guibao (stock code 300019), which is a high-tech enterprise specialising in R&D, manufacturing and business of silane coupling agents. Its products are deeply trusted by customers like Japan's Shin-Etsu, Germany's Wacker etc.

## M6

### Gemini Techniek BV

Metaalstraat 22

7483 Pd Haaksbergen

The Netherlands

**Tel:** +31 53 428 3000

**Email:** r.maas@gemini-techniek.com

**Website:** www.gemini-techniek.com

**Stand contact:** Mr Rudi Maas

Filling, dispensing and cleaning equipment for the paint and ink industry. Fully automatic, as well as semi-automatic, gravimetric and volumetric filling machines for all kind of paint products. Special gravimetric filling lines for putty/texture. Washing/cleaning machine for mobile vessels. Colour dispensing installations for industrial applications. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.

## L5B

### Green Egypt Co

## J31C

### Guangdong Yinyang Environment-Friendly New Materials Co Ltd

Fanhu Economic Development Zone, Leping Town, Sanshui District, Foshan City, Guangdong Province 528138  
PR China

**Tel:** +86 20 8736 6666

**Mobile:** +86 186 2010 5351

**Email:** houpm@yinyangresin.com

**Website:** www.yinyangresin.com

**Stand contact:** Hou Pinming

Guangdong Yinyang is a top waterborne emulsions and polyester resins for powder coating manufacturer with three factories in China and a 500,000t/yr capacity. Yinyang acrylic & PUD emulsions are widely using in construction coatings, water-proofing, wood coatings, industry coatings, ink, PSA for tape & labels, textile industry, leather chemicals, woodworking, paper converting and footwear industry.

## Q1

### Guangxi Bluestar Dahua Chemical Co Ltd

Room 2012, Section A, Jia-He Building

18-1 Dong Ge Road

Nanning, Guangxi 530022

PR China

**Tel:** +86 771 282 2368

**Mobile:** +86 185 8771 7006

**Email:** bluestarlmj@163.com

**Website:** www.lgxxc.chemchina.com

**Stand contact:** Michael Long

Guangxi Bluestar Dahua Chemical Co Ltd is a branch of CHEMCHINA's professional subsidiary company China National Bluestar (Group) Co Ltd. It began manufacturing titanium dioxide, production and operations in 1989 and now has a total capacity of 70,000t/yr of TiO<sub>2</sub>.

## F20

### Guangzhou Chemicals Import & Export Co Ltd

15th Fl, 691 Ren Min Road, North

Guangzhou 510170

PR China

**Tel:** +86 20 8108 6151

**Mobile:** +86 137 6070 3161

**Email:** exp1@gzchem.com

**Website:** www.gzchem.com

**Stand contact:** Su Yingcai

Guangzhou Chemicals (Former name: SINOCEM Guangzhou), which is a state-owned enterprise, was founded in 1976. The capital of the company registration is RMB30M, the total import and export value is more than US\$150M and the sales volume is more than RMB1bn.

## H2

### Guangzhou Jinzong Machinery Co Ltd

Headquarters Building 14, Tian An

Hi-tech Ecological Park, Panyu District

Guangzhou City 511493

PR China

**Tel:** +86 20 3990 0131

**Mobile:** +86 189 0225 6000

**Email:** rachel@jinzong.com.cn

**Website:** www.jinzongmachinery.com

**Stand contact:** Rachel Qiu

Jinzong Enterprise was founded in the 1990s and specialises in the development of various industrial equipment, research of PLC control system, industrial engineering design and installation etc. Among them, the chemical machinery division set up a 17,000m<sup>2</sup> production base at Zhaoqing National Hi-tech Zone, co-operating with the Chinese Academy of Sciences and University, to develop various new-style intelligent chemical production lines, owning dozens of patented technologies with an annual double-digit growth in patent filings. The production base has

passed ISO9001-2015 international quality system certification, its products have passed CE certification and it has customers in more than a dozen countries.

## K21

### Guangzhou Junneng Chemicals Co Ltd

Room 5007, No 88 Qinghe Middle

Road, Shiqiao Street, Panyu District

Guangzhou, Guangdong Province 51140

PR China

**Tel:** +86 757 8641 0016

**Mobile:** +86 139 2862 3280

**Email:** lucyliuxinran@qq.com

**Website:** www.junnengchem.com

**Stand contact:** Xinran Liu

Junneng Chemicals is a reputed professional enterprise in China dedicated to the production and sales of fine chemical products. Over the years, it has been making meticulous efforts in the production, research and development of new generation chemicals applied in various industries like paints, adhesives, leathers, textiles, paper etc.

## M16

### Guangzhou Kinte Materials Science and Technology Co Ltd

No 16, Yufeng Road, Shiling Town

Huadu District, Guangzhou

PR China

**Tel:** +86 20 8692 8672

**Mobile:** +86 186 2081 0892

**Email:** luoq@kinte.com.cn

**Website:** www.kintepolyester.com

**Stand contact:** Carolyn

Guangzhou Kinte Materials Co Ltd, affiliated to the China Electric Apparatus Institute, is a state-owned company specialising in research, development, production and sales of saturated polyester resins. It was founded in May 2000 and the annual output has reached 60,000 tons. ISO9001 & ISO14000 registered. The company mainly produces polyester resin of TGIC, Primid, Hybrid and Isocyanate these four series products.

## J25

### Guangzhou Rich Chemical Co Ltd

510630, PR China

**Tel:** +86 20 2885 6588

**Mobile:** +86 138 2214 1156

**Email:** shineezhou@rich-cn.net

**Website:** www.rich-cn.net

**Stand contact:** Shinee Zhou

Established in 2002, Rich Chemical is a leading manufacturer of epoxy hardeners based on modified amines in China. It is a comprehensive enterprise devoted to R&D and production of high quality products with an emphasis on after sales service.

## T3

### Gulf Chemicals And Industrial Oils Co

## J20

### H.A.K Industrial Chemicals LLC (a division of The Kanoo Group)

PO Box 290, First Floor, Kanoo Building  
Sh. Khalifa bin Zayed, Karama  
Dubai 0000, UAE

**Tel:** +971 4336 9700

**Fax:** +971 4336 0924

**Email:** venkat.krish@kanoo.com

**Website:** www.hakdubai.com

**Stand contact:** Krish Venkatesan

H.A.K Industrial Chemicals is a leading supplier of speciality raw materials to the paints, coatings, printing inks, construction chemicals, personal care, cleaning chemicals and associated industries in the GCC. Details of the entire product range and companies it works with, can be found on its website www.hakdubai.com

## J1

### Hanatek (a brand name of Rhopoint Instruments)

Rhopoint House, Enviro 21 Park  
Queensway Avenue South

St Leonards on Sea

East Sussex TN38 9AG, UK

**Tel:** +44 1424 739623

**Email:** dawn.mendez@

rhpointinstruments.com

**Website:** www.hanatekinstruments.com

**Stand contact:** Dawn Mendez

The Hanatek range of QC test instruments is designed for measuring coated flexible packaging materials. Products include instruments for measuring friction, thickness, rub resistance and ink adhesion, carton crease performance. This company is co-exhibiting with Rhopoint Instruments Ltd.

## J32

### Hangzhou Dery Chemical Co Ltd

**Tel:** +86 571 8781 7849

**Mobile:** +86 138 8441 5810

**Email:** tony@dr-carbonblack.com

**Website:** www.dr-carbonblack.com

**Stand contact:** Tony Liu

## F8

### Hangzhou Forward Fine Chemical Co Ltd

Shiji Road, Linjiang Industrial Par

Hangzhou

PR China

**Tel:** +85 571 8298 8135

**Mobile:** +86 181 0571 6080

**Email:** heyu@forward-ep.com

**Website:** www.forward-ep.com

**Stand contact:** Yoyo

Manufacturer of pearlescent pigments.

## M17

### Hangzhou Zealan Chemical Co Ltd

Room 1-704, Taigu Square, Xiaoshan  
Hangzhou, Zhejiang 311200

PR China

**Tel:** +86 571 2280 9109

**Email:** chris@zealan.cn

**Website:** www.zealan.cn

**Stand contact:** Chris Chen

Hangzhou Zealan is a large specialised organic pigment manufacturer in China. It also has its own pigment dispersion factory and its products cover coatings, latex, fibre, textiles and ink.

## S7

### Haris Al Afaq LLC

## M24

### Hebei Shield Excellence Technology Co Ltd

Xincheng Industrial Zone of

Yangfenggang, Bazhou

Hebei Province 065700

PR China

**Tel:** +86 316 755 5856

**Mobile:** +86 182 2292 6106

**Email:** logistics@hbshield.com

**Website:** www.hbshield.com

**Stand contact:** Yang Fan

As one of two global manufacturers, Hebei Shield can supply 60,000t/yr of Neodecanoic Acid (ShinaTM-10), 60,000t/yr of Vinyl Neodecanoate (ShivenaTM-10) and 10,000t/yr Glycidyl neodecanoate (ShigenaTM-10p), trying to help reducing the VOC in its clients' product.

## L11

### Hefei Sunrise Aluminium Pigments Co Ltd

Crossing of Fenglin Rd and Jinhu Rd

Shuangfeng Development Zone

Hefei, Anhui 231131

PR China

**Tel:** +86 551 6577 8259

**Mobile:** +86 155 0551 4342;

+86 181 3367 9135

**Email:** selena@xuyang.cc;

claire@xuayng.cc

**Website:** www.xuyang.cc

**Stand contacts:** Selena Zuo (Zuo Aiyue);

Claire Chen (Chen Yue)

The largest aluminium pigments manufacturer in China.

## Q12

### Henan Botai Chemical Building Materials Co Ltd

No 18, East of Dongfeng Road

Zhengzhou, Henan 450000

PR China

**Tel:** +86 185 3938 2008

**Fax:** +86 371 5598 8202

**Email:** luiseliu@botaichem.net

**Website:** www.botaichem.net

**Stand contact:** Luise Liu

A professional manufacturer of RDP, HPMC, calcium formate.

## F9

### HiWay

## Q33

### Honnete International Enterprise Ltd

R21022, Zhongtian Palzza

No 766 Wuyi Rd, Changsha

Hunan 410011

PR China

**Tel:** +86 731 8225 2337

**Fax:** +86 731 8225 3361

**Email:** sales@honnete.cn

**Website:** www.honnete.cn

**Stand contact:** Peter Kuang

Exporter of Yingde Yakai Polymeric Material Co Ltd's CHPO, BPO, MEKP to Korea, Indonesia, Thailand, Vietnam, Malaysia, New Zealand etc...covering 20% of the factory capacity. Also supplies iron oxide pigments, washed kaolin, talcum powder, barium sulphate, titanium dioxides for paint, coating, ink, rubber, poly putty applications. This company is co-exhibiting with Yingde Yakai Polymeric Co Ltd.

## Q9

### Horizon Chemicals

Office 712D, Ibn Battuta Gate Offices

Jebel Ali First, Dubai 488195

UAE

**Tel:** +971 4513 5182

**Fax:** +971 4513 5217

**Email:** info@horizon-chemicals.com

**Website:** www.horizonchemicals.com

**Stand contact:** Aghabius Isaac

Horizon Chemicals is the distribution hub of Eastern Seas Holding Co KSC a leading Industrial group of companies established in 1977 in Kuwait. The largest producer of white spirit solvent in GCC, specialised in manufacturing of industrial chemicals, oil field chemicals, marine and heavy chemicals.

## S3

### Horizon for Plastic Products Co

## Q14

### Hormoz Powder

## J30

### Huangshan Huahui Technology Co Ltd

**Tel:** +86 559 351 1227

**Mobile:** +86 138 5596 5932

**Email:** bruce@huahuichem.com

**Website:** www.huahuichem.com

**Stand contact:** Bruce Liu

Huangshan Huahui Company, established in 1992, is a professional producer of additives for powder coatings, located in Huangshan City, Anhui Province. Its products include: TGIC, HAA, levelling agents, matt hardeners, indoor and outdoor matting agents, benzoin, wrinkle agents etc.

## J28

### Hubei Greenhome Materials Technology Inc

12/F, Xinglong Building, 1007 Jiefang Ave, Wuhan, Hubei 430000

PR China

**Tel:** +86 27 8188 0586

**Mobile:** +86 186 7297 6718

**Email:** cherry@greenhomechem.com

**Website:** www.greenhomechem.com

**Stand contact:** Cherry Xie

It specialises in benzyl benzoate, benzyl alcohol, epoxy reactive diluent series, epoxy hardeners, benzoic ester series, benzyl chloride and benzaldehyde.

## H1

### HUPC Chemical Co Ltd

Room 301, Building B2, No 206 Zhenhua Road, Hangzhou 310030  
PR China

**Tel:** +86 571 8990 5372

**Mobile:** +86 136 6668 6036

**Email:** info@unionpigment.com

**Website:** www.unionpigment.com

**Stand contact:** Violet Tao

HUPC Chemical Co Ltd specialises in providing supply chain management services for ink, paint, coating and pigment paste sectors with more than a decade's worth of experience. Its main product is pigment in powder and press cake form.



## S1

### ICHEMAD Profarb

Chorzowska 117, Gliwice 44-100  
Poland

**Tel:** +48 3 2270 4541

**Email:** sales@ichemad.com

**Website:** www@ichemad.com

**Stand contact:** Adam Boryslawski

ICHEMAD-Profarb has more than 30 year's experience in developing complete production systems for the coatings industry. It fully designs, builds and equips complex production plants. ICHMAD constructs specialist machinery (dissolvers, mills, dispersers, mixers, dispensing-stations). It acts as an EPCM (Engineering-Procurement-Construction-Management-Company) for major projects in the coatings

industry around the world. As a European Union leader in machinery and plants for coatings, it maintains the highest standards of quality and effectiveness.

## M6

### IEC+ S.R.L.

Via Argini Sud 3 - 43029

Traversetolo, Parma

Italy

**Tel:** +39 0521 343945

**Email:** gianluca.incerti@iecplus.com

**Website:** www.iecplus.com

**Stand contact:** Mr Gianluca Incerti

Top quality dispersion, mixing and grinding machines for the paint, ink, chemical, adhesive and polymer industries, as well as complete engineering and process studies and turnkey solutions. It prides itself on performance engineering on building machines that work better and for longer on creating solutions that get results.

This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.

## N18

### IEC Plant Engineering Sdn Bhd

Lot 7486, Bukit Cherakah, Seksyen U9  
Shah Alam, Selangor 40150

Malaysia

**Tel:** +603 7859 7084

**Fax:** +603 7859 7484

**Email:** info@iecpe.com

**Website:** www.iecpe.com

**Stand contact:** Alex Dantas

IEC Plant Engineering has been manufacturing a wide range of high quality dispersion, mixing and grinding equipment for the paint, ink, chemical, adhesive and polymer industries. Due to popular demand, for its continuous product Research and Development, its HM Series is being reintroduced with a new face-lift, enhanced safety and double mechanical seal.

## K6

### Imerys

Imerys Par Moor Centre

St Austell, Cornwall PL24 2SQ

UK

**Tel:** +44 7703 887656

**Email:** georgia.lobb@imerys.com

**Website:** www.imerys-kaolin.com

**Stand contact:** Georgia Lobb

World leader in mineral-based industry specialties, Imerys delivers high value-added, functional solutions to a variety of sectors, from processing industries to consumer goods and building products. Meet experts from Imerys Kaolin, Imerys Performance Additives and Imerys Filtration and discover the huge range of mineral

solutions for paint, inks and coatings.

## K6

### Imerys Kaolin

Imerys Kaolin Par Moor Centre

St Austell, Cornwall PL24 2SQ

UK

**Tel:** +44 7881 847998

**Email:** ben.newman@imerys.com

**Website:** www.imerys-kaolin.com /

europe-middle-east/

**Stand contact:** Ben Newman

Imerys Kaolin, a leading international kaolin producer, is exhibiting at MECS: Polestar™ – high performance titanium dioxide extender for decorative matte paints; Opacilite™ – reduces titanium dioxide by up to 20%; OptiGloss™ – universal extender for high gloss paints; and Supreme™ – premium opacifying and thickening extender for decorative paints. This company is co-exhibiting with Imerys.

## K6

### Imerys Performance Additives

2 PI Edouard Bouillères BP 1162

Toulouse 31036

France

**Tel:** +971 50 776 5610

**Email:** nabeel.ahmed@imerys.com

**Website:** www.imerystalc.com

**Stand contact:** Nabeel Ahmed

Imerys Performance Additives Division

is showcasing:

Steashield™ 10, a new ultra-lamellar talc for stain blocking paints; NYAD®, a high performance wollastonite for low VOC industrial coatings; Jetfine® 1 an ultra-fine macro-lamellar talc for optimal dry hiding and MU™ M2/1, a premium grade mica for barrier protection in exterior decorative paints. This company is co-exhibiting with Imerys.

## K6

### Imerys Filtration

732 North First Street Suite 450

San Jose, California 95112

USA

**Tel:** +33 6 70 98 72 80

**Email:** estelle.lagache@imerys.com

**Website:** www.imerys-filtration.com

**Stand contact:** Estelle Lagache

Imerys Filtration develops high performance engineered minerals used as functional additives in paint, coatings and plasters applications. The latest innovations are presented at MECS: ClearMat™ for transparent wood clear coats; OpTiMat™ for deep matt decorative paints; PlastGard™ for crack and pinhole resistance in plasters and renders. This company is co-exhibiting with Imerys.



## F5

### Immea Srl

Via Borsellino, 27  
Rovato, Brescia 25038  
Italy

**Tel:** +39 03 0772 1454

**Fax:** +39 03 072 3895

**Email:** [vaccarezza@immea.eu](mailto:vaccarezza@immea.eu)

**Website:** [www.immea.eu](http://www.immea.eu)

**Stand contact:** Mr Claudio Vaccarezza

The company Immea Srl deals with the production of different types of dosing machines (automatic, semi-automatic, by volume or by weight) and is able to offer the best solutions to any need in filling and dosing liquid products, and relevant packing all types of rigid containers, in shape and size. This company is co-exhibiting with Vibro-Mac Srl.

## G8

### Indian Chemical Industries

1F, Bhavani Chambers, Ashram Road  
Nr Times Of India Office  
Ahmedabad, Gujarat 380009  
India

**Tel:** +91 79 2658 7210

**Fax:** +91 79 2658 1881

**Email:** [timir.shah@icidyes.com](mailto:timir.shah@icidyes.com)

**Website:** [www.icidyes.com](http://www.icidyes.com)

**Stand contact:** Timir Shah

ICI is a leading manufacturer of pigment preparations & powder, established since 1962. Its products include: Octafine Pigment Dispersion for paint; Octatint Universal Colorant for tinting machines; Octapol Polyol-based colourant for PU foam; Octatone Pigment Preparation for flexo and gravure ink; Icholace organic, Inorganic pigment for paint, coatings, printing inks and plastics. Rubber and Allied: Hydroflex water-based inks for flexo.

## R24

### Indofil Industries Limited

## L13A

### Inner Mongolia Tianzhijiao Kaolin Co Ltd

## M15

### Inter-China Chemical Co Ltd

1st Floor, No C19 building, ZUSP  
Dingmao New District, Jingshiwu Road  
212009, Zhenjiang, Jiangsu  
PR China

**Tel:** +86 511-8998 3592

**Mobile:** +86 158 0610 2859

**Email:** [zhufengqin@chinatio2.com](mailto:zhufengqin@chinatio2.com)

**Website:** [www.chinatio2.com](http://www.chinatio2.com)

**Stand contact:** Emily Zhu

A leading Chinese TiO<sub>2</sub> technology company. Comprehensive product chain (Rutile + Anatase). Exclusive application

test process.



## F1

### IST Italia Sistemi Tecnologica SpA

Via S Anna 590  
Modena 41122  
Italy

**Tel:** +39 05 931 4305

**Email:** [sales@ist.it](mailto:sales@ist.it)

**Website:** [www.ist.it](http://www.ist.it)

**Stand contact:** Massimiliano Mingacci

Founded in 1987, IST has now one of the largest product ranges on the market: Reclaimers for waste solvent and waste water; continuous cycle distillation systems integrated in line with production processes; solvent and water-based washing units; ultrasonic washing units for parts and anilox cylinders/sleeves.

## S11

### Italtinto Equipments PVT Ltd

Bldg No S5/2422, Vrundavan Complex  
Sonale Village, Off. Mumbai Nashik  
Highway, Taluka Bhiwandi, Dist - Thane  
Bhiwandi 421302  
India

**Tel:** +91 25 2228 2025

**Fax:** +91 97 6980 5724

**Email:** [shelron.jordan@italtinto.com](mailto:shelron.jordan@italtinto.com)

**Website:** [www.italtinto.com](http://www.italtinto.com)

**Stand contact:** Shelron Jordan

Italtinto is one of the world's leading tinting and dispensing machine manufacturing companies and operates from four continents. At Italtinto it understands the specific needs of customers and the troubles they face in their day-to-day use of tinting systems. It currently operates from Italy (Milan), India (Mumbai), USA (Charlotte) and Brazil. This company is co-exhibiting with Al Khowahir Chemicals.



## Q10

### J Colors SpA

Via Settembrini, 39  
Linate (Milano) 20020  
Italy

**Tel:** +39 0293 7541

**Email:** [export@jcolors.com](mailto:export@jcolors.com)

**Website:** [www.jcolors.com](http://www.jcolors.com)

**Stand contacts:** Dr G Andrea Boffito;

Sig Massimo Vallini

JColors offers a wide range of VOC free colourants and tinting systems for household paints. JSystem Evolution modular tinting system offers rheology controlled colourants for dispensing equipment with excellent weather fastness properties and hiding power.

JColors Tattoo Decorative Paint line brings Italian effect paint design in every home.

## L7

### Jana - Jubail Chemical Industries Company

PO Box 10661, Jubail Industrial City  
Jubail, Eastern Province 31961  
Saudi Arabia

**Tel:** +966 13 347 8888

**Fax:** +966 13 347 8666

**Email:** [csr@nama.com.sa](mailto:csr@nama.com.sa)

**Website:** [www.jana-ksa.net](http://www.jana-ksa.net)

**Stand contact:** Brian Ferrer Cabansag

Jana - Jubail Chemical Industries Company situated in the Industrial City of Jubail, Kingdom of Saudi Arabia is an affiliate of NAMA Chemicals and produces a range of epoxy resins - liquid, solution and solid forms for a variety of applications. Jana markets its epoxy resins under two brand names - Araldite® and Razeen®. The Araldite brand is more than 50 years old and very well known the world over. It is used under the license of Huntsman. Jana also has developed its own brand name, Razeen under which it sells epoxy resins. Razeen was introduced and launched in 2004 and has been accepted by most of the customers. Currently, under the Razeen brand name, all the products manufactured are look-a-like matching products to the Araldite branded products licensed and sold by Jana. Jana produces and markets quality epoxy resins to exacting standards relied upon by many of today's leaders in the coatings, resin, composite and civil construction industries on a global basis.

## Q5

### Jesons

## K23

### Jiangsu Evergreen New Material Technology Co Ltd

No 3, Qinglongshan Road, International  
Chemical Industry Park, Dagang  
Zhenjiang, Jiangsu Province  
PR China

**Tel:** +86 0511 8681 1177

**Mobile:** +86 180 1595 2830

**Email:** [Oy6263@163.com](mailto:Oy6263@163.com)

**Website:** [www.cqs-hm.com](http://www.cqs-hm.com)

**Stand contact: Ouyang Guojin**

Jiangsu Evergreen New Material Technology Co Ltd is one of the leading chemical manufacturers dealing in: poly-monomers as cross-linkers, such as AMS, VT and DVB; plastic auxiliary agents and oil refinery additives.

## L12

**JiangSu Guolian Technology Co Ltd**

**Tel:** +86 510 8616 2111

**Mobile:** +86 138 1213 3882

**Email:** gl.info@guolianchem.com

**Website:** www.guolianchem.com

**Stand contact: Sheng Xu**

Guolian is a specialised production enterprise of the fine chemical industry, founded in October 1980. Its main products are inorganic silicon compound, acrylic emulsion, leather chemical and polyurethane dispersion. It mainly develops, manufactures, sells and serves the above products. Under the Guolian company, there is a paint research institute and a Baodesheng engineering company. The company has set up branches in Beijing, Changzhou, Xinji, Shaoxing, Guangzhou and other places.

## H26

**Jiangsu Hualun Chemical Industry Co Ltd**

**East End, Sanjing Ave, Jiangdu Development Zone Alone**

**Yangtse River, Jiangsu**

**PR China**

**Tel:** +86 514 8650 7985

**Mobile:** +86 138 5259 6199

**Email:** hao.wu@hualunchem.com

**Website:** www.hualunchem.com

**Stand contact: Wu Hao**

Its main products include: High boiling aromatic solvents, propylene glycol methyl ether acetate & propionate, pyromellitic dianhydride, for metal paints, printing inks and dyes etc.

## M13

**Jiangsu Polyland New Materials Technology Corp**

**No 1 Changjiang Road, Zhangjiagang Linjiang Green Industry Park, Leyu Town, Zhangjiagang 215621**

**PR China**

**Tel:** +86 512 5837 8303

**Mobile:** +86 189 1568 6825

**Email:** 2819758125@qq.com

**Website:** www.polylandpolyester.com

**Stand contact: John Jiang**

Polyland Technology enjoys a favourable site in the Zhangjiagang Linjiang Green Industrial Park. This location is the most developed area in the Yangtze River Delta with convenient transportation and

complete supporting facilities of industrial chains. The factory covers an area of 53,000m<sup>2</sup> with 30,000m<sup>2</sup> floor area. It is equipped with an advanced resin laboratory and a dedicated team of technical experts. As the domestic largest supplier of PET-modified polyester resins with broad range, its designed production capacity of polyester resins and polyester fibre is up to about 200,000t/yr. The production capacity of the polyester resin and polyester fibre designed by the company is up to 200,000t/yr.

## R1

**Jiftex Polymers**

**PO Box 31388 Jeddah 21497 Saudi Arabia, Heddah Industrial Area 1 Phase 4 Street 121 & 70, Jeddah 21497**

**Saudi Arabia**

**Tel:** +966 54 101 0078

**Fax:** +966 12 637 1747

**Email:** ayman@asiig.com

**Website:** www.asiig.com

**Stand contact: Eng Ayman Karajeh**

Jiftex Polymers, established in 2003, is one of the pioneers in manufacturing water-based emulsion polymer in the KSA with capacity of 60,000t/yr, it serves the paints, construction chemicals, textile, carpet and adhesives industries.

Products: Homo polymer, co polymer, ter polymer, styrene acrylic emulsions, pure acrylic and carpet latex.

## M3

**Jinkun Sili Ceramic Beads Co Ltd**

**1399 Jingliu Rd, Linjiang Industrial Park Dajiangdong, Hangzhou Zhejiang 311228**

**PR China**

**Tel:** +86 571 8709 7657

**Mobile:** +86 130 0464 5178;

**+86 158 2551 7755**

**Email:** robin@jkzro.com;

**amber@jkzro.com**

**Website:** www.jkzro.com

**Stand contacts: Robin Tang, Amber Lyu**

A Sino-German joint venture with ISO9001: 2008 certified, adopted German costly equipment and technologies, 30 years manufacturing of only outstanding zirconia beads (yttria zirconia beads, ceria zirconia beads), zirconia powder, professional R&D Q/C systems.

## L5C

**Jordan Carbonate Company**

**PO Box 1059, 15 Abdulwehab Al Majali Street, Shmesani, Amman 11118 Jordan**

**Tel:** +96 2 566 5517

**Fax:** +96 2 566 4668

**Email:** firas.ghussein@

jordancarbonate.com

**Website:** www.jordancarbonate.com

**Stand contact: Firas Al Ghussein**

Established in 1979, JCC is a major producer and exporter of various grades of calcium carbonate in both natural and treated forms with production capacity of 400Kt/yr, it exports to 30 countries world wide, has five sister companies in the region and has been associated with Omya International since 2004.

## J29

**Juto Co Ltd**

**13/D Unit One, No 29 Wuhui Road, Zhongshan District, Dalian 116001 PR China**

**Tel:** +86 411 3968 8195

**Mobile:** +86 135 9139 2898

**Email:** foreverbiz@126.com

**Website:** www.jutotalc.com.cn

**Stand contact: Wang Yiwei**

Specialises in talc powder, which is mainly used in paints, plastics, coating, ceramics, cosmetics, pharmaceuticals, paper-making, etc.

## H22

**Jyoti Ceramic Industries Pvt Ltd**

**Plot No C-21, NICE, Satpur Nashik, Maharashtra 422007 India**

**Tel:** +91 253 235 0120

**Fax:** +91 253 235 0023

**Email:** info@jyoticeramic.com

**Website:** www.jyoticeramic.com

**Stand contact: Mr Raju Merani**

Jyoti Ceramic Industries, established for 47 years, specialises in the manufacture of advanced technical ceramic products. It has world class ceramic manufacturing facilities coupled with an R&D Lab and tool room and exports 65% of its production to 55 countries globally. Zirconox, Zircosil, Steatite, Aluma Coat, Zircoat are a few of its registered trademarks.

## F7

**Kempro Kimyasal Maddeler VE Dis Ticaret AS**

## M6

**Ketan Europa SL**

**Ctra Mollet a Sabadell Km 4**

**3 PI Can Vinyals - Nave 20**

**08130 Santa Perpètua de Mogoda Spain**

**Tel:** +34 93 713 4399

**Email:** andres@ketaneuropa.com

**Website:** www.ketaneuropa.com

**Stand contact: Mr Andrés Muñoz**

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specialised in automatic labelling solutions. With more than 15 years of experience in the industry, its highly trained and skilled service technicians, who are among the best in the field, are available to provide quick solutions to your label application requirements. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.

## G10

### Kevin (India) Co

304-305/ G-24, Gundehcha Industrial Complex, Akurli Road Near Big Bazar Kandivali (East) Mumbai 400101  
Near Grovels Mall, Maharashtra, Mumbai India

**Tel:** +91 22 2884 6582

**Fax:** +91 22 2887 6419

**Email:** kevin@kevinindia.in

**Website:** www.kevinpigments.com

**Stand contact:** Kevin Mehta

One of the leading and largest quality manufacturers from India with more than 25 years in production of pigment powders (pigment green 7, pigment blue 15:3, pigment blue 15:1, pigment blue 15, pigment blue 15:4, pigment violet 23 and pigment red 22).

## N10

### KH Chemicals

## K15

### Kimix Chemical Co Ltd

Vink Corporation DMCC 1805,JBC-5 Cluster W, JLT  
PO Box 128194 Dubai  
UAE

**Tel:** +971 50 540 8314

**Email:** v.nair@vink-chemicals.com

**Website:** www.kimix.com.cn

**Stand contact:** Vijay Nair

Promoted under the brand name Kimicell, it covers the entire range of cellulose ethers HEC, HPMC, MHEC, EMHEC and CMC. Other products include TiO<sub>2</sub>, RDP and iron oxide pigment. This company is co-exhibiting with Vink Chemicals GmbH & Co Ltd.

## H23

### Kingstone Chemical China Co Ltd

Room 710, No 101, Nanmatou Road Pudong, Shanghai  
PR China

**Tel:** +86 21 6182 0872

**Mobile:** +86 138 1781 0463

**Email:** export@kingstonechemical.com

**Website:** www.kingstonechemical.com

**Stand contact:** Liu Hongjiang

Kingstone Chemical China is a professional supplier of Cellulose Ether (HPMC), RDP (Redispersible Polymer Powder) and

HPS (Hydroxy Propyl Starch Ether) for tile adhesive, skim coat, cement and gypsum based dry mix mortars, emulsion paint etc.

## G18

### Kolorjet Chemicals Pvt Ltd

5, Rajratna Industrial Estate, Liberty Garden Road, Malad West  
Mumbai, Maharashtra 400064  
India

**Tel:** +91 22 2882 6803

**Fax:** +91 22 2880 5268

**Email:** sales@kolorjetchemicals.com

**Website:** www.kolorjetchemicals.com

**Stand contact:** Mitul Mehta

Kolorjet Chemicals is a manufacturer and exporter of pigments for ink, paint, coating, plastic and textile applications. Its strong products are: CPC, Activated CPC, Pigment Blue 15:0, 15:1, 15:2, 15:3, 15: 4, Pigment Green 7, Pigment Violet 3, 23, 27, Pigment Red 122, 53:1, 57:1, Lemon Chrome, Middle Chrome and Scarlet Chrome.

## G12

### Kraton Chemical BV

## C6B

### Lexcel-Chem Limited

1, Mobalaji Bank-Anthony Way  
Opp. Ikeja Post Office, Ikeja, Lagos  
Nigeria

**Tel:** +234 81 1555 8397;

+234 80 3579 5287

**Website:** www.lexcelchem.com

**Email:** info@lexcelchem.com

**Stand contact:** Anirudh Raghuvanshi

The core business of Lexcel-Chem is the supply of chemicals and allied products. The company has a NAFDAC approved storage facility and is currently storing paint raw materials. Lexcel-Chem Limited is the sister company of Eurochem International FZE, which is an ISO compliant organisation since 2005 and has been in existence since 1997. This company is co-exhibiting with Eurochem International FZE.

## CS5

### Liaoyang Guanghua Chemical Co Ltd

No 168-19 Qingnian Street  
Liaoyang, Liaoning 111000  
PR China

**Tel:** +86 419 231 3380

**Mobile:** +86 139 4195 8387

**Email:** may@china-lgh.com

**Website:** www.sulfolane.cn

**Stand contact:** May Wang

Liaoyang Guanghua Chemical Co Ltd is a provincial new technology enterprise. It has dedicated itself to only one product, sulfolane, for about 18 years. It is the biggest sulfolane producer in the world.

To date, it has established business relationships with lots of companies in more than 40 countries.

## L18

### Lomon Billions

Lomon Billions Global HQ, Zhongzhan District, Jiaozuo City  
Henan Province 454191  
PR China

**Tel:** +44 1642 692750

**Email:** juliereid@lomonbillions.com

**Website:** www.lomonbillions.com

**Stand contact:** Julie Reid

Lomon Billions is an established, dynamic global TiO<sub>2</sub> pigment manufacturer. It makes high performance TiO<sub>2</sub> pigments using the chloride and sulphate process. Its prominent LOMON® and BILLIONS® pigment brands are recognised worldwide. It is ranked 4th in the world and 1st in Asia in terms of TiO<sub>2</sub> pigment production capacity.

## D1

### Lona Industries Ltd

## S11

### Lonza

Muenchensteinerstrasse 38  
Basel 4002  
Switzerland

**Tel:** +971 50 307 3339

**Email:** materialsprotection@lonza.com

**Website:** www.lonza.com

**Stand contact:** Muhammad Israr

Lonza provides speciality biocides and chemical additives, which provide high performance solutions for its paint & coatings customers. Its speciality chemical products and technologies are backed by expert technical and regulatory services, giving you and your customers real confidence across a wide range of industrial applications. This company is co-exhibiting with Al Khawahir Chemicals.

## J18

### Lukem D.o.o.

Tiranova 38  
Ljubljana 1000  
Slovenia

**Tel:** +386 1244 3299

**Email:** luka@lukem.si

**Website:** www.lukem.si

**Stand contact:** Luka Rencelj

Established in 1995 in Slovenia, Lukem d.o.o. is a company which specialises in trading of raw materials and chemicals, which are used in the paint, detergent, cosmetics and food industries. Besides trading it provides a full logistic service to cater for its clients.

## H9

### Mallak Specialties Pvt Ltd

Unit 320, Mahavir Industrial Estate Plot 32, Off Mahakali Caves Road  
Andheri East Mumbai  
Maharashtra 400093  
India  
**Tel:** +91 22 2687 5062  
**Fax:** +91 22 2687 3796  
**Email:** em.1@mallakindia.com  
**Website:** www.mallakindia.com  
**Stand contact:** Mangala  
Mallak, established for 18 years, with its factory at MIDC Mahad, 165km south of Mumbai has an excellent infrastructure in the factory, where it manufactures pigments (Phthalocyanine, HPP, AZO, Violets), EO/PO derivatives, micronutrients and speciality intermediates. Mallak, with its strengths like EC-150,000t/yr, 2.7MLD and direct to sea licence exports to more than 50 countries.

## Q7

### Manaseer Carbonate

8th Circle King Abdullah II Street  
141414, 11814 Amman  
Jordan  
**Tel:** +962 79 7271821  
**Fax:** +962 65 833890  
**Email:** m.armouti@mgc-carb.com;  
t.hassan@mgc-carb.com  
**Website:** www.mgc-carb.com  
**Stand contacts:** Mohammad Al Armouti;  
Tareq Al Hassan  
MCM Carb produces white calcium carbonate especially suitable as filler for a variety of applications, characterised by low silica content and size controlled. Applications include: paints & coatings; plastics & rubbers; plasters & joint fillers; glass & ceramics; animal feed.

## A2A

### Mercury Industries Limited

## L14

### Mirodur SpA

Via Delle Scienze 3  
Rome 04011  
Italy  
**Tel:** +39 0692 81746  
**Fax:** +39 0692 80644  
**Email:** massimo.vitelli@miroductur.com  
**Website:** www.turbomill.com  
**Stand contact:** Massimo Vitelli  
Miroductur is the producer of Turbomill, one of the most successful mills in the world, due to its short grinding times and easiness of cleaning and colour change with the use of little solvent/water.  
Moreover, Miroductur has been producing industrial and anticorrosion coatings for 60 years. Both are being shown on its stand.

## G6

### MPC Prokim

Rue Mhamedia – Zone Industrielle  
Mghira Bp 175, Fouchana  
Ben Arous 2082  
Tunisia  
**Tel:** +216 79 408 222  
**Fax:** +216 79 408 144  
**Email:** contact@mpc-prokim.com  
**Website:** www.mpcprokim.com  
**Stand contact:** Khalil Bourogaa  
MPC Prokim is a Tunisian company operating in the field of manufacturing alkyd resins, polyester resins and aqueous emulsions for the paints, adhesives and composite materials industries.  
Boasting a leadership position on the Tunisian market, the company became the leader and a major actor regionally and in Africa.

## Q4

### Nanjing Jinshan Chemical Technology Co Ltd

No 126 Tianyuan Middle Road, Nanjing  
PR China  
**Tel:** +86 25 8718 0768  
**Mobile:** +86 159 5186 2997  
**Email:** kw@jinschem.com  
**Website:** www.jinschem.com  
**Stand contact:** Mr Kevin Wang  
Nanjing Jinshan Chemical Technology Co Ltd is an advanced and professional supplier of nitrocellulose, cellulose ethers, hydrocarbon resin and organo clay etc.

## K1

### Nanjing Tianshi New Material Technologies Co Ltd

Caofang Road, Luhe Development Zone,  
Nanjing 211500  
PR China  
**Tel:** +86 25 5839 3872  
**Mobile:** +86 189 1290 1323  
**Email:** overseas\_sales@waxpi.com  
**Website:** www.waxpi.com  
**Stand contact:** Warren Shao

Nanjing Tianshi devotes itself to promoting wax additives for precise applications, owns three production bases, with an annual production of 9000t of micronised waxes and PTFE; 3000t of wax emulsions and dispersions and 5000t of PE and oxidised waxes, provides full range of waxes for inks, coatings, paints, cosmetics, leather, PVC, masterbatches etc.

## N7

### Nanyang Lingbao Pearl Pigment Co Ltd

Lihe Ecosystem Industry Park Wancheng District, Nanyang City  
Henan Province 473000, PR China  
**Tel:** +86 (0)377 6608 2663

**Email:** lbtwo@chinalingbao.com

**Website:** www.chinalingbao.com

**Stand contact:** Mr Li Quande

Nanyang Lingbao Pearl Pigment Co Ltd is a high-tech fine chemistry factory, which is a complex of advanced wet-ground mica powder and mica-titanium series pearlescent pigment powder researching, developing, producing and marketing in China since 2004. It is ISO9001:2008 & ISO14001:2004 certified and pre-registered REACH since 2008.

## F10

### National Co for Chemical Industries – NASYDCO

48, Thawra St, Dokki, Giza 12311  
Egypt

**Tel:** +20 12 2743 8615

**Fax:** +20 2 3337 0015

**Email:** hany@nasydco.com

**Website:** www.nasydco.com

**Stand contact:** Mr Hany El Ishlawy

NASYDCO is a joint stock company, with its plant located in Sadat City. It started with production of emulsion polymers and now produces polyvinyl acetate homopolymer, copolymer acetate/Veova, copolymer acetate/acrylate, copolymer acrylate/malyate, styrene acrylic, polyacrylic polymer. Nasydco is integrated in different chemical sectors for paper industry, textile auxiliaries and other specialities.

## H18

### Netzsch Feinmahltechnik GmbH

Sedanstrasse 70, Selb 95100

Germany

**Tel:** +49 9287 797-0

**Fax:** +49 9287 797149

**Email:** abdelkrim.fath@netzsch.com

**Website:** www.netzsch.com

**Stand contact:** Abdelkrim Fath

The Netzsch Discus system is the quantum leap in disk grinding technology. The further optimised Discus disk agitator combined with the Netzsch DCC separation system guarantees you extremely high throughput rates with significantly narrowed well time distributions and, therefore, more intensive grinding with uniform impact intensity.

## F12

### New Sino-French Polymer Materials Co Ltd

South Building 6#, Business Center of Xintiandi, Xiacheng District, Hangzhou  
Zhejiang 310004, PR China

**Tel:** +86 571 8809 3306

**Fax:** +86 571 8809 2284

**Email:** glb@dfc-cn.com

**Website:** www.dfc-cn.com

**Stand contact:** Ms Xuyuxiu

New Sino-French (Zhejiang Sino-French) is a big and first-class producer of saturated polyester resin and powder coatings in China. Its capacity is 90000kg/yr for polyester resin and 5000kg/yr for powder coatings.

## J4

### Nigtas Ltd STI

Lhanli Mahallesli Mozaikciler Kume Km Evleri Nigtas A. Blok No 1 /G/1 Merkez Nigde 51100, Turkey

**Tel:** +90 38 8214 1500

**Email:** export.af@nigtas.com

**Website:** www.nigtasmikronize.com

**Stand contact:** Hakan Özdemir

Nig Tas Anonim Sirketi (Nig Tas Corporation) is located in Nigde City in the middle-east of Turkey where the whitest and purest CaCO<sub>3</sub> formations exist on site. The company is the leading calcium carbonate manufacturer and the main supplier of limestone in Turkey.

## S6

### Nitro Chemical Industry Ltd

24 Rama I Road Rongmuang, Pathumwan, Bangkok 10330 Thailand

**Tel:** +66 2 214 5275

**Fax:** +66 2 215 9282

**Email:** pakorn.w@nitrocellulose.com

**Website:** www.nitrochemical.com

**Stand contact:** Mr Pakorn Weerasombut

Nitrochemical Industry Ltd, offers customers the best quality of nitrocellulose for use in lacquers for wood, paper, coatings, printing ink, aircraft lacquer, protective lacquer, aluminium foil coating etc. Nitro Chemical Industry supplies two kinds of NC, 'SS' and 'RS' grades with various viscosity upon its application. This company is co-exhibiting with ABC Chemical Exports PVT Ltd.

## Q16

### Nitro Quimica

Av Dr Artur Nova, 951

São Paulo, SP 08090-000, Brazil

**Tel:** +55 119 7379 0837

**Email:** felipe.subtil@nitroquimica.com.br

**Website:** www.nitroquimica.com.br

**Stand contact:** Felipe Subtil

Nitro Quimica is a leading global nitrocellulose and derivatives producer servicing customers worldwide. The company boasts more than 80 years of technical expertise and steadily invests to develop chemical solutions that simplify life. The company is internationally regarded for its outstanding operation safety track records and observes strict sustainability standards.

## S6

### Nobel NC Co Ltd

24 Rama 1 Road, Rongmuang Pathumwan, Bangkok 10330 Thailand

**Tel:** +66 2613 8923

**Fax:** +66 2216 3992

**Email:** pakorn.w@nitrocellulose.com

**Website:** www.nobelnc.com

**Stand contact:** Mr Pakorn Weerasombut

Nobel NC is one of the world's largest manufacturers of nitrocellulose used in the inks and coatings industry. The unique granular format of Nobel nitrocellulose gives superb flow characteristics. It's easy to handle and virtually dust free, displaying minimum solvent migration during transport and storage. This company is co-exhibiting with ABC Chemical Exports PVT Ltd.

## F8A

### Novasol China Limited

Room 8101, No 29 Jianguo Zhong Road Shanghai 200025, PR China

**Tel:** +86 21 2281 8526

**Email:** eunice.ren@novasolchina.com

**Website:** www.novasolchemicals.com

**Stand contact:** Eunice Ren

Novasol is an important, independent chemical distributor in Europe with subsidiaries in North-America and Asia. Novasol China is the subsidiary located in Shanghai, China and it focuses on delivering high quality service and high quality products to all of its clients worldwide.

## M6

### OFRU Recycling GMBH & Co KG

Marie-Curie-Str 1, 63755 Alzenau Germany

**Tel:** +49 6023 504220

**Email:** info@ofru.com

**Website:** www.ofru.com

**Stand contact:** Mr Farid Chaatouf

OFRU is a leading global manufacturer of highly productive solvent recycling machines (solvent recovery systems), solvent recycling plants for distillation of flammable hazardous solvents. Its product programme covers modern distillation systems and/or vacuum distillation plants for inflammable cleaners. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.

## K20

### Oliver y Batlle SA

Ctra Mataró 39-47, Badalona, Barcelona 08911, Spain

**Tel:** +34 93 464 1010

**Fax:** +34 93 464 3040

**Email:** o+b@oliverbatlle.com

**Website:** www.oliverbatlle.com

**Stand contact:** Xavier Villanueva

Oliver+Batlle is a leader in the production of equipment for manufacturing and packaging of paints, inks, varnishes, adhesives, sealants, either water- or solvent-based, on any scale. O+B offers engineering and customised turnkey solutions for the paint and allied industries.

## L5D

### Omya UAE

Omya UAE FZC HFZ II

Plot 4K-06, Sharjah 49057, UAE

**Tel:** +971 6 526 9415

**Fax:** +971 6 526 9416

**Email:** ovidiu.novac@omya.com

**Website:** www.omya.com

**Stand contact:** Dr Ovidiu Novac

Omya is a leading global producer of industrial minerals derived from calcium carbonate and dolomite and a worldwide distributor of chemical products. The company provides product solutions in industries, such as construction, printing and writing, technical polymers, packaging, food, personal & home care, pharmaceuticals, agriculture and forestry, water and energy.

## K10

### Optichem

Plot WWA143, PO Box 261740

Jebel Ali Free Zone, Dubai 15004, UAE

**Tel:** +971 883 9956

**Fax:** +971 883 9957

**Email:** management@optichem.com

**Website:** www.optichem.com

**Stand contact:** Naved Wajahat

Optichem develops and manufactures fine and performance chemicals for the coatings, construction, carpet, chemical, composites and various other industries. It operates flexible and strategically located plants in Dubai, Jebel Ali (UAE) and Thailand to help it ensure prompt deliveries worldwide, local support and flexibility to serve your growing needs. This company is co-exhibiting with REDA Chemicals.



## A3

**Panzhuhua Dongfang Titanium Industry Co Ltd**

Yizhishan Vanadium & Titanium

Industrial Park, Miyi

Panzhuhua, Sichuan 617201



**PR China**

**Tel:** +86 139 8090 9021

**Email:** trebien\_trebien@vip.163.com

**Website:** www.dftio2.com

It is one of the major TiO<sub>2</sub> manufacturer and exporter of TiO<sub>2</sub> products in China. Its main grades include: R-5566 (for paint and coatings), R-5567 (for decorative paper), R-5568 (for plastic and masterbatch) and R-5569 (for paint and ink) and they are widely used in more than 40 countries in the world.

**N5**

**Petrochem**

**J20**

**Potters Europe**

Pontefract Road, Barnsley, S71 1EJ  
UK

**Tel:** +44 1226 704516

**Fax:** +44 1226 207615

**Email:** jean-philippe.curdy@ppqcorp.com

**Website:** www.potterseurope.com

**Stand contact:** Mr Jean-Philippe Curdy

With 23 plants worldwide, Potters is the largest producer of hollow and solid glass microspheres used as functional fillers. Available in many particle sizes, densities and strengths, these additives are for improving mechanical, rheological properties in thermoplastic & thermoset formulations. Lightweight hollow spheres allow simultaneous increased volumes and reduced densities. This company is co-exhibiting with H.A.K. Industrial Chemicals LLC.

**L10**

**Pritty Pearlescent Pigments**

399 Fumin Road, Suqian Economic Development Zone, Suqian  
Jiangsu 223800  
PR China

**Tel:** +86 155 0219 9403

**Email:** sophie.wang@prittypigments.com

**Website:** www.prittypigments.com

**Stand contact:** Sophie Wan

Pritty develops and manufactures pearlescent pigments under the ISO 9001:2000 quality control system. It supplies high purity and strong sparkle gold pigments with ensured quality, consistency and inventory availability.

**K27**

**Quanzhou Sanwei Chemical Industry Co Ltd**

3/F, Sansheng Office Bld, Donghu St, Fengze Dist, Quanzhou 362002  
PR China

**Tel:** +86 595 2211 2133

**Mobile:** +86 183 5059 0787

**Email:** marketinge@sanwei-group.com

**Website:** www.sanwei-group.com

**Stand contact:** Bonnie Ding

A producer of anatase and rutile titanium dioxide, carbon black and optical brightener.



**H5A**

**Rainbow General Trading**

PO Box 2409, New Industrial Area  
Hassan Ibn Al Haitham Street, Ajman  
UAE

**Tel:** +971 50 451 6962

**Fax:** +971 6 740 7740

**Email:** rasheed.chughtai@

rainbowchemical.ae

**Website:** www.rainbowchemical.com

**Stand contact:** Abdul Rasheed Chughtai

Rainbow General Trading is one of the oldest and most reliable suppliers of chemical raw-materials in the coatings industry. It partners with the biggest names in the industry to deliver the most astounding services alongside world-class chemicals to fulfill its customers' needs. At Rainbow, expect nothing less than the best!

**M10**

**RAR Resin & Chemical Industries**

1 Lake Plaza, 11th Floor, JLT Cluster T,  
Dubai 231051, UAE

**Tel:** +961 4450 4286

**Email:** r.kairuz@rarholding.com

**Website:** www.rarresin.com

RAR Resin is a member of 'RAR Holding' one of the leading industrial groups in GCC and the international market. The main hub of operations is through its fully automated resin and white spirit plants located at Dubai, Lebanon, KSA, Iraq, Kuwait, Italy and Nigeria to serve different geographical locations.

**K10**

**REDA Chemicals**

901 Al Manal Tower, Sheikh Zayed Road  
Dubai 15004, UAE

**Tel:** +971 43 32 5100

**Fax:** +971 43 32 5200

**Email:** management@redachem.com

**Website:** www.redachem.com

**Stand contact:** Karim Smadi

REDA Chemicals is a leading chemical distributor providing solutions for users of industrial and speciality chemicals in the Middle East, India, Africa and Asia. It is part

of the REDA Group, which belongs to a large privately owned investment group.

**J24**

**Resitan Co**

15th Floor, No 7, 7th Narenjestan  
After Farmanie Crossroad, Pasdaran Ave  
Tehran, 1957613958  
Iran

**Tel:** +98 21 2202 0521-5

**Fax:** +98 21 2202 0486

**Email:** import-export@resitan.net

**Stand contact:** Mahtab Vafaieinia

Resitan Co was established in 1981 with an annual production capacity of 75000t of more than 130 types of industrial resins in Iran. Main products include: phenolic resins, foundry resins and hardeners, Bakelite, unsaturated polyester resins, vinyl ester resins, alkyd resins, epoxy ester resins, acrylic resins (solvent-based, water-based), solid epoxy resins, solid polyester resins, saturated polyester resins, amino resins (urea formaldehyde, melamine formaldehyde and Benzoguanamine).

**J1**

**Rhopoint Instruments Ltd**

Rhopoint House, Enviro 21 Park  
Queensway Avenue South  
St Leonards on Sea  
East Sussex TN38 9AG  
UK

**Tel:** +44 (0)1424 739622

**Email:** dawn.mendez@

rhpointinstruments.com

**Website:** www.rhpointinstruments.com

**Stand contact:** Dawn Mendez

Rhopoint manufactures quality control test instruments for coatings. Measured parameters include: gloss, haze, distinctness of image (orange peel), opacity, shade, viscosity and MFFT.

**H7**

**RishiChem Mideast Ltd**



**J12**

**Rivedil**

Via Prov.le per Veglie Km 0.5  
Salice Salentino, Lecce 73015  
Italy

**Tel:** +39 (0832) 731293

**Fax:** +39 (0832) 731273

**Email:** natasciarivedil@rivedil.it

**Website:** www.rivedil.com

**Stand contact:** Saeed Sharkawi

Rivedil established in 1980 from the experience of its founder Cosimo Codardo, is a world leading producer of interior and exterior top-quality decorative paints, coatings and plasters, and conventional paints. All products, such as decorative plasters, finishes and flakes are designed by Rivedil in Italy the historical headquarters of the company.

## **P8/P13/P15**

### **Rotec GmbH & Co KG**

Eisenbahnstrasse 10 Muelheim-Kaerlich  
Rhineland-Palatinate 56218, Germany

**Tel:** +49 2630 96515-0

**Fax:** +49 2630 96515-77

**Email:** info@rotec-nature.de

**Website:** www.rotec-nature.com

Expanded silicate was formed during the last volcanic eruption 12,500 years ago in Germany. Entrapped directly below the surface is an airpore-rich gravel shaped mineral made from silica-based raw materials – the natural expanded silicate. Rotec® promotes and refines this ecologically excellent raw material for the innovative lightweight aggregate Rotocell® and the substrate Rotopor®. This company is co-exhibiting with Dia33.

## **Q19**

### **Runtai Chemical Co Ltd**

**Tel:** +86 523 8258 0666

**Mobile:** +86 152 9522 5799

**Email:** belinda.zhou@runtaichem.com

**Website:** www.runtaichem.com

**Stand contact:** Belinda Zhou

Runtai Chemical Co Ltd (OTCBB:833117) is among the most well-known paint additive manufacturers in China and is a hi-tech enterprise specialised in producing environmentally friendly coalescents for water-based paints. It is located in the economic development Yangtze River Delta, in the middle of Jiangsu Province (Nantong, Taizhou). Its products have been exported to 80 countries by the end of 2017. Runtai products' quality has reached advanced levels both at home and abroad.

## **E8**

### **Safic-Alcan Necarbo (Middle East) BV**

PO Box 18620 Jebel Ali Free Zone  
Dubai, UAE

**Tel:** +971 40 889 5242

**Fax:** +971 4 889 5782

**Email:** shaji.zaidi@safic-alcan.ae

**Website:** www.safic-alcan.nl

**Stand contact:** Mr Shaji Zaidi

Safic-Alcan Necarbo is a producer of Nebores (synthetic resins), Neboplast (dispersions), Nebochips (pigment preparations), Nebotint (colour pastes)

and a distributor for an extensive product range for the paint, printing ink, carpet, construction, adhesive and plastic industries. Its product range is available from local warehouses in Dubai, Saudi Arabia and Egypt.

## **N1**

### **Sancora Paints Industries Sdn Bhd**

Lot 8206, Kawasan Perusahaan  
Kamunting, Perak Darul Ridzuan 34600  
Malaysia

**Tel:** +60 16 877 7717

**Fax:** +60 5 891 2277

**Email:** dreanawong@sancora.com

**Website:** www.sancora.com

**Stand contact:** Ms Dreena Wong

SANCORA has successfully developed texture effect paints based on flakes technology. Realising demand for customisable solutions from the market, SANCORA is now offering its flakes-technology as semi-finished materials to paint manufacturers and formulators – enabling you the flexibility to develop a multitude of texture paint products – uniquely yours.

## **D7**

### **Sanhe Hofmann Chemical Manufacturing Co Ltd**

No 9 Jianggong Industrial Land  
Shen Wei Road, Yanjiao National  
Economic Development Zone  
Sanhe City, Hebei Province 065201  
PR China

**Tel:** +86 316 309 0336

**Mobile:** +86 136 3139 3124

**Website:** www.hofmann-chemie.com

**Stand contact:** Edwin Chen

Hofmann Chemie AG, based in Switzerland, is a well-known supplier in speciality chemicals, functional chemicals and chemical intermediates. Hofmann is a remarkable scientific corporation, which focusses on chemical intermediates and speciality chemicals. It can provide excellent service for customers in various markets, including but not limited to: architecture materials, medicine, personal care, pesticides, leather, paper, plastic etc.

## **L5A**

### **Saudi Carbonate**

## **S11**

### **SE Tylose GmbH & Co KG**

Rheingaustrasse, 190-196  
Wiesbaden 65203, Germany

**Tel:** +90 (312) 248 13 35

**Fax:** +90 (312) 248 13 03

**Email:** mahmut.kiran@setylose.com

**Website:** www.setylose.com

### **Stand contact: Mr Mahmut Kiran**

SE Tylose is one of the world's most important cellulose ether producers and continues to invest in this technology as part of its core strategy. With its manufacturing plants in Japan, Germany and USA, Shin-Etsu is one of the world's largest suppliers of hydroxyethylcellulose and methylcellulose. Under the registered trademark, Tylose, the products are used in nearly all areas of daily life. The most common fields of application are the paint and construction industries, as well as oilfield, cosmetics and household care. This company is co-exhibiting with Al Khawahir Chemicals.

## **CS3**

### **Shandong Gangtian Petrochemical Co Ltd**

**Tel:** +86 532 5871 6613

**Mobile:** +86 133 5686 8545

**Email:** moana.huang@sdgtpetrochem.com

**Website:** www.sdgtpetrochem.com

**Stand contacts:** Mona Huang,  
Huang Menghan

Shandong Gangtian Petrochemical Co Ltd is a chemical manufacturer and trader in Qingdao China, mainly producing caustic soda flakes and CMC. The company is also engaged in trading business of various chemical materials products, such as caustic soda, soda Ash, PVC, sodium nitrate, sodium nitrite, gasoline diesel oil, methanol, calcined coke, petroleum coke, etc.

## **M22**

### **Shandong Head Co Ltd**

No 999, Head Road, Zhoucun New  
Material Industrial Zone  
Zibo, Shandong 255300  
PR China

**Tel:** +86 533 319 0661

**Mobile:** +86 135 8953 2921

**Email:** melanie@sdhead.com;  
sale@sdhead.com

**Website:** www.sdhead.com

**Stand contact:** Melanie Liu

Shandong Head Co Ltd is a leading professional cellulose ether manufacturer of China (Stock Code: 002810). Its product list includes: HPMC, HEC, MHEC, EC, CMC, etc. Besides these, it produces DAAM and ADH for the water-based paint industry. The company has cellulose ether plants of its own with an annual capacity of 37,000t and both of them are approved by ISO 9001, 14001 and 18001.

## **F19**

### **Shandong Hearst Building Material Co Ltd**

Huaiyin Zone, Jinan City  
Shandong Province, PR China

**Tel:** +86 531 6998 6351

**Mobile:** +86 139 6918 2767

**Email:** judie@sdhearst.com

**Website:** www.sdhearst.com

**Stand contact:** Judie Chuh

Profile: Manufacturer of redispersible polymer powder (RDP), polycarboxylate superplasticiser powder (PCE), self levelling Mortar and so on. Also can offer mortar solutions

## G2

**Shandong Senjie Cleantech Co Ltd**

**Tel:** +86 533 388 4062

**Mobile:** +86 135 8950 7555

**Email:** zbjerry@vip.sina.com

**Website:** www.senjiechem.com

**Stand contact:** Jerry Huang

The company produces propylene carbonate, ethylene carbonate, ATBC.

## CS7

**Shandong Shida Shenghua Chemical Group Co Ltd**

No 198, Tongxing Road, Kenli District Dongying, Shandong  
PR China

**Tel:** +86 546 216 9417, 216 9370, 216 9208

**Mobile:** +86 185 5462 9855, 135 6338 8000

**Email:** victoria@sinodmc.com;

eric@sinodmc.com;

henry.pan@shidachemical.com

**Website:** www.sinodmc.com

**Stand contact:** Victoria Zhu

It is one of the largest PG & DMC manufacturers in Asia. Its main products are PG, DMC, DEC, EMC, PC, EC, MTBE, LiPF<sub>6</sub>, CARBOHYDRAZIDE. Currently its products are sold to Middle East countries, Europe, America, Japan, Korea and Southeast Asia and it has the biggest domestic and foreign market share in this industry.

## K11A

**Shandong Yiteng New Material Co Ltd**

West of the 8th Road, Shiheng Town Feicheng City, Shandong 271600  
PR China

**Tel:** +86 538336 6213

**Email:** tina@yitengchem.cn

**Website:** www.yitengchem.cn

**Stand contact:** Tina Guo

The company focusses on the manufacture of cellulose ether with its main products being HPMC, HEMC, HEC and starch ether. It is approved by ISO9001 and registered with REACH.

## F3

**Shanghai Bitoner Resin Co Ltd**

9D, No 971, Dongfang Road, Pudong

District, Shanghai 200122

PR China

**Tel:** +86 021 5133 6310

**Mobile:** +86 185 6156 2061

**Email:** cherry\_chen@bitoner.com

**Website:** www.bitoner.com

**Stand contact:** Cherry Chen

Cherry has worked for Bitoner for more than four years, having had two years' experience in the Bitoner lab and then in sales in Shanghai Bitoner, mainly responsible for Taiwan and Southeast Asia.

## L8

**Shanghai Ceval Chemical Co Ltd**

Room 1218-1219, North of Fortune 108 No 1839, Qixin Road, Minhang District, Shanghai 201101, PR China

**Tel:** +86 021 6070 5060

**Fax:** +86 186 1686 9266

**Email:** sales@ceval.com.cn

**Website:** www.ceval.com.cn

**Stand contact:** Frank Guo

Ceval is one of the leading manufacturers of Azo & HPP pigments; Inorganic Chrome Yellow & Molybdate Orange and transparent iron oxide pigments in China. Its top 10 products are as follows: PV23, PR170, PR122, PY180, PO64, PY62, PY83, PY191, PY34, PR104.

## M1

**Shanghai ELE Mechanical & Electrical Equipment Co Ltd**

No 618, Songhua Road, Qingpu Industrial Park, Qingpu District, Shanghai PR China

**Tel:** +86 21 5538 7553

**Mobile:** +86 136 6154 2553

**Email:** ele@elemix.cn

**Website:** www.beadsmill.com

**Stand contact:** Sophie Wang

ELE is a top professional and qualified supplier for plant and machinery, mainly for paint, coatings, ink, pigments, dyes etc. It is committed to manufacturing and marketing horizontal bead mills, high shear homogenizers, high speed dispersers, mixing reactors, basket mills, turn-key complete production lines, etc.

## H3

**Shanghai Farfly Energy Technology Co Ltd**

No 501 Yuzhuang Rd, Fengxian Dist Shanghai 201414, PR China

**Tel:** +86 21 5109 3066

**Mobile:** +86 181 2107 8093

**Email:** export@farfly.com

**Website:** www.farfly.com

**Stand contact:** Buddy Lai

A manufacturing company located in Shanghai, it mainly provides horizontal

bead mills, dispersers, mixers, filters, filling machines, SS tanks plus all kinds of customised mixing reactors and turnkey projects for paints and printing inks.

## J8

**Shanghai Jiuta Chemical Co Ltd**

Rm 1217, Building 5, No 26 Hexuan Road, Shanghai 201800

PR China

**Tel:** +86 21 5204 2175

**Mobile:** +86 137 6180 7263

**Email:** postmaster@shjiuta.com

**Website:** www.shjiuta.com

**Stand contact:** Lucia

Shanghai Jiuta Chemical is a leading global producer and supplier of TiO<sub>2</sub>.

## J31

**Shanghai Root Mechanical and Electrical Co Ltd**

Room 505, #1 Building, No 698 Wudu Road, Jiading District, Shanghai 201803  
PR China

**Tel:** +86 21 6995 9291

**Mobile:** +86 189 1725 6279

**Email:** sunqingwei@root-asia.com

**Website:** www.root-asia.cn

**Stand contact:** Dave Sun

Manufacturer of chemical production lines. Supplies lab and industrial use horizontal bead mills, basket mills, three roller mills, high speed dispersers, mixing machines, tanks etc. Focus is on coating, painting, inks, pigments industries etc.

## C3

**Shanghai Rural Industries Co Ltd**

## K22

**Shanghai SIEHE Import & Export Co Ltd**

Rm 305-307, Building 1, No 168 Taihong Rd, Hongqiao Business District Shanghai 201100, PR China

**Tel:** +86 21 5291 3185

**Mobile:** +86 136 7161 8698

**Email:** sales@siehechina.com

**Website:** www.sieheindustry.com

**Stand contact:** Li Liao

As the international trading company of SIEHE Industry, Shanghai SIEHE Import & Export Co Ltd is mainly responsible for the international trade of all machinery including procurement of foreign sourced high quality accessories.

## C9

**Shanghai Yinjia International Trading Co Ltd**

18 XuWang Road, Qingpu District Shanghai 201702, PR China

**Tel:** +86 21 5988 4839

**Fax:** +86 21 6226 8724



**Email:** info@moderner.com  
**Website:** www.moderner.com  
**Stand contact:** Peter Zhang

Modern instruments is one of the leading companies of lab instruments used in the paint, ink and coatings industry in China since 1988. Its quality control and testing instruments are made abiding by international standards.

## K29

### Shanghai Zhongjing International Trade Co Ltd

Floor 18, No 2, Lane 198, Tianshan Rd  
Shanghai 200336, PR China

**Tel:** +86 21 5253 0276

**Fax:** +86 21 6229 0676

**Mobile:** +86 138 1648 2208

**Email:** sales@lbchem.com

**Website:** www.shzhongjing.com

**Stand contact:** Cao Junlian

As a leading supplier to the titanium industry chain in China, Shanghai Zhongjing focuses on R&D, production, marketing and services of both rutile and anatase titanium dioxide. With an annual sales quantity of 60,000t, Shanghai Zhongjing's titanium dioxide has been widely used in coatings, plastics, ink, paper making and other fields.

## N12A

### Shepherd Color

4539 Dues Drive, Cincinnati  
Ohio 45246, USA

**Tel:** EMEA Sales Manager

**Email:** tmestdag@shepherdcolor.com

**Website:** www.shepherdcolor.com

**Stand contact:** Tom Mestdag

Shepherd Color produces a wide range of high-performance Complex Inorganic Colour Pigments. These pigments offer stable, long-lasting colour for many applications. They have unbeatable weatherability, heat and chemical resistance, are non-warping and easy to disperse. Rely on Shepherd Color to 'Brighten your Life' with quality products and the latest innovation.



## C4

### Sichuan Lizhuo Vanadium & Titanium Co Ltd

Vanadium & Titanium Industrial Park  
Panzhihua, Sichuan 617000  
PR China

**Tel:** +86 139 8004 8796  
**Email:** lizhuotitanium@163.com  
**Website:** www.lztio2.com

It is one of the earliest enterprises engaged in the production of vanadium and titanium products. Its high quality TiO<sub>2</sub> products, represented by R-369 (for general applications), R-389 (for plastics) and R-399 (for printing ink) have gained popularity and a good reputation in domestic and overseas markets.

## M6

### Sigmund Lindner GMBH

Oberwarmensteinacher Str 38  
D-95485 Warmensteinach  
Germany

**Tel:** +49 92 779 9410

**Email:** mittermeier@sigmund-lindner.com

**Website:** www.sigmund-lindner.com

**Stand contact:** Mr Paul Mittermeier

Sigmund Lindner GMBH is one of the leading producers of glass and ceramic beads for use in various technical applications, especially grinding. Sigmund Lindner is also known for its Siliglit effect glitters, which are widely used in cosmetics and for decorative applications for paints, wallpapers, papers, in plastics etc. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.



## G7

### Siliconi Commerciale SpA

Via Francia, 4  
Gambellara, VI 36053, Italy  
**Tel:** +39 0444 649766

**Email:** info@siliconi.it

**Website:** www.siliconi.it

**Stand contact:** Mr Andrea Conterno

Siliconi is an Italian chemical company manufacturer of antifoams, hydrophobic agents and surface additives for paint & coating and building sectors.



## K12

### Silitex srl

Viale Industria, 34  
Cologna Veneta, VR 37044, Italy

**Tel:** +39 04 4241 1561  
**Fax:** +39 04 4241 1562  
**Email:** trade@silitex.it

**Website:** www.silitex.it

**Stand contact:** Andrea Bianchi

Silitex is a dynamic company founded 22 years ago. Its expertise is in manufacturing antifoams and performance emulsions, addressed not only to the coatings world but to a variety of industrial applications, too. Its strength is the capability to develop bespoke products quickly and efficiently, working upon customers' projects.

## C7

### Solar Organics

## H8

### Solvochem FZCO

## Q8

### Solyman

## N12

### Soujanya Color Pvt Ltd



Technology by SENSORY ANALYTICS

## K11

### SpecMetric Systems (Sensory Analytics)

The Sensory Building  
4413 West Market Street  
Greensboro, North Carolina 27407  
USA

**Tel:** +1 33 6315 6090

**Email:** devon@specmetrix.com

**Website:** www.specmetrix.com

**Stand contact:** Devon Edmonson

SpecMetric coating thickness measurement systems help global manufacturers measure the absolute thickness of applied wet or dry coatings in real-time with nanometric precision down to sub-micron thickness levels in the QA lab or directly in-process to help costs, optimise process control and improve coated product quality.

## K24

### Spring Green Corporation

3F-1, No 361, JhongJheng N Rd  
SanChong District  
New Taipei City 24157  
Taiwan (ROC)

**Tel:** +886 2 2989 5586

**Mobile:** +886 919 800738

**Email:** spring886tw@allspringtw.com

**Website:** www.allspringtw.com

**Stand contact:** David Wu



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- Powder Saturated Polyester Resins
- Amino Resins
- Foundry Resins and their hardeners
- Phenolic Resins (Resol and Novolac)
- Phenolic Molding Powders (Bakelite)



  
www.resitan.net  
info@resitan.net



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Tel: +9821 22020521-5  
Fax: +9821 22020486

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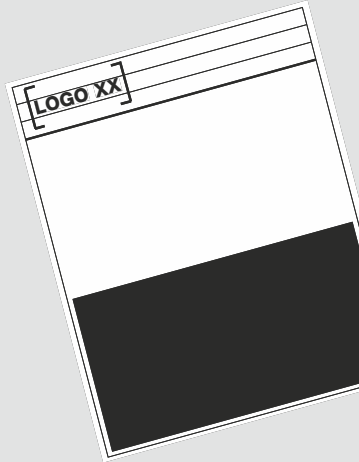
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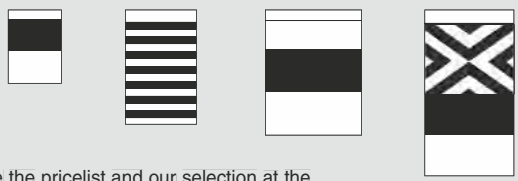
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Spring Green Company was established in 1992, Taiwan. It specialises in carbon black pigment and has been supplying customers all over the world for more than 25 years. So far, it has three production lines in China to produce Channel type and Furnace type carbon black. On average it produces 12,000t/yr and increases production steadily every year.

## R12

### Sudarshan Chemicals

**Stand contact:** BL Narasimhan

Sudarshan started manufacturing pigments in 1952 with a handful of inorganic pigments and has since flourished with a breadth of products that cover classical Azo pigments, high performance pigments, effect pigments and pigment dispersions. It primarily serves the coatings, plastics, inks and cosmetics markets. This company is co-exhibiting with Tawazon Chemical company LLC.

## M6

### Synres BV

Slachthuisweg 30

3151 Xn Hoek Van Holland

The Netherlands

**Tel:** +31 65 322 7290

**Email:** bart.immerzeel@synres.com

**Website:** www.synres.com

**Stand contacts:** Mr Bart Immerzeel;

Mr Pieter Van As

Synres BV has been producing resins for more than 65 years. The products are all solventborne alkyd- and acrylic resins for the following industries: decorative coatings, (semi)-industrial metal coatings, protective and marine coatings, wood coatings and car refinishes. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.

## J16

### Synthomer

Synthomer Office E201 East Building  
Dubai Airport Free Zone, Dubai 54645  
UAE

**Tel:** +971 505 325074

**Email:** zaid.usmani@synthomer.com

**Website:** www.synthomer.com

**Stand contact:** Zaid Usmani

Synthomer is one of the world's leading waterborne speciality polymer manufacturers, offering a broad range of chemistry for the coatings and construction industries, including acrylics, vinyl acetate copolymers, styrene butadiene rubber, polychloroprene and redispersible powder. Synthomer operates from 26 production sites worldwide including Dammam and Dubai.

## M18

### Taizhou Ruibai Chemical Co Ltd

No 6 Guihua Road, Chemical  
Pharmaceutical Industrial Park Gaogang  
District, Taizhou City, Jiangsu 225327  
PR China

**Tel:** +86 523 8753 5308

**Mobile:** +86 139 1507 8132

**Email:** info@ringchem.com

**Website:** www.ringchem.com

**Stand contact:** Frank Jin

Leading manufacturer of top quality highly customised methyl acetate, ethyl acetate, methylene chloride and glacial acetic acid.

## A4

### Tara Chem

**TASNEE** التسنية

## P3A

### Tasnee (National Industrialization Company)

PO Box 35579

Al-Jubail Industrial City 31961

Saudi Arabia

**Tel:** +966 (50) 432 8900;

+966 (13) 359 9477

**Email:** hat.alshammari@tasnee.com

**Website:** www.tasnee.com

**Stand contact:** Mr Hatim Al-Shammari

Tasnee is proud to be the 1st joint-stock industrial company fully owned by the private sector established in 1985. Tasnee has concentrated on petrochemicals, titanium and downstream Business Units and has grown to become the second largest industrial Saudi company and one of the largest producers of TiO<sub>2</sub> in the world.

## R12

### Tawazon

Al Khaleej Building, 301, Zabeel Road  
Al Karama, Dubai 52161

UAE

**Tel:** +971 04 336 8230

**Email:** anu.soman@tawazon.ae

**Website:** www.tawazon.com

**Stand contact:** Anu Pillai

An Industry focused service of supplying a whole range of raw materials to the paint/ink, construction chemicals, packaging, fibreglass, plastic, rubber and polyurethane industries. Individual products or consolidated packages are supplied direct from the country of origin or from warehouses in Dubai, Jebel Ali, Riyadh, Jeddah and Nairobi.

## M2

### Tianjin Icason

## F16

### Tianjin Zhongxin Chemtech Co Ltd

Unit 10B, Pan China International Center  
No 931 YingKou Road, TangGu  
Tianjin 300451, PR China

**Tel:** +86 22 8988 0739-8019

**Fax:** +86 22 6688 0086

**Email:** sales@tjzxchem.com

**Website:** www.tjzxchem.com

ZX Chemtech is a leading supplier of coating and ink raw materials and auxiliaries, special additives for spray polyurea / RIM PUR coating systems, UV photo-initiators, which are the first-class quality in China for such industries, being used to control and facilitate the technical process and reducing the operation costs.

## H6

### Tinox Chermie GmbH

## J10

### Tinting Systems Company

PO Box: 3250, Old Industrial Area  
Khamis Mushayt, Aseer 61961

Saudi Arabia

**Tel:** +966 1723 88000

**Fax:** +966 1723 82561

**Email:** mshabbir@tssccolor.com

**Website:** www.tssccolor.com

**Stand contact:**

Mr Mohammed Shabbir Hussain

Tinting Systems Company offers a broad range of universal and water-based colourants for interior and exterior architectural coatings in Point of Sale and In-Plant market. Brand names include; Unicolor, Unifil, Unicon, Aquatint, Novacade and Indutint.

## R12

### Troy Corporation

**Stand contact:** Enis Kecici

Troy produces more than 400 preservatives, performance additives, and metal carboxylates at modern manufacturing facilities on three continents. Troy supports customers with worldwide sales offices, distributors, warehouses and logistics facilities. The company's goal is to provide customers with a superior level of service and product availability. This company is co-exhibiting with Tawazon Chemical company LLC.



## N22

### TQC Sheen

Molenbaan 19, 2908LL Capelle a/d



IJssel, The Netherlands

Tel: +31 (0)10 7900100

Fax: +31 (0) 10 7900129

Email: jay@venktron.com

Website: www.tqc.eu

Stand contact: Jay G Bhosale

This company is co-exhibiting with Venktron Electronics.

## N13

### Unique Chemical Limited

19F, Shangmao Century Plaza, No 49  
South Zhongshan Road, Nanjing 210005  
PR China

Tel: +86 25 8688 7410

Mobile: +86 189 1392 6672

Email: emmatlj@uniquechemical-nj.com

Website: www.uniquechemical-nj.com

Stand contact: Emma Tang

Unique Chemical Limited is one of the leading producers and exporters in China for speciality colour chemicals. It is mainly engaged in the R&D, manufacturing and marketing of inorganic, organic pigments, dyestuff and the pigment intermediates.

## D6A

### Univar MEA

## J31A

### Universal Filtration (Shanghai) Co Ltd

Building 3# No 128 Hangtong Road  
Pudong, Shanghai 201316  
PR China

Tel: +86 21 2093 2029

Mobile: +86 136 3638 9624

Email: ghy@universal-filtration.com.cn

Website: www.universal-filtration.com.cn

Stand contact: Janny Gao

## N22

### Venktron Electronics

Almulla Warehouse, Standard Real  
Estate Building, Jebel Ali Industrial Area  
2, Dubai, PO Box 474445  
UAE

Tel: +971 4 881 7211

Fax: +971 4 881 7213

Email: jay@venktron.com

Website: www.venktron.com

Stand contact: Mr Vijay G Bhosale

Your partner in complete solutions for the paint, surface coating and marine industry. Assisting you in applications for: adhesion, appearance, corrosion/weathering, colour, density, dispersion, drying time, film application, film thickness, hardness/scratch resistance, laboratory equipment, material thickness, moisture, optical inspection, porosity, publication and standard, surface cleanliness, roughness, temperature and viscosity.

## C6A

### Vibfast Pigments

C-1,91/6, GIDC, Behind Bank of India  
Phase - I, Vatwa, Ahmedabad  
Gujarat 382445  
India

Tel: +91 90 9994 8515

Email: int.mkt@vibfast.com

Website: www.vibfast.com

Stand contact: Goutam Dand

Vibfast Pigments is a leading producer and exporter of phthalocyanine, classical azo, chrome, ultramarine blue, high performance pigments, pigment dispersions, fluorescent colours exclusively for printing inks, paints & coatings, plastics, textiles, rubber, detergent, laundry industries. It export its pigments to more than 75 countries.

## F5

### Vibro-Mac Srl

Via Primo Maggio, 2/4  
San Zenone al Lambro, Milano 20070  
Italy

Tel: +39 02 9826 4390

Fax: +39 02 9826 4392

Email: n.zelada@vibromac.it

Website: www.vibromac.it

Stand contact: Mr Marco Gerosa

Vibro-Mac was established in 1968 and since then it has been specialising in the planning, design and manufacture of process machinery. As well as single machines it deals with the production of complete 'Turnkey' plants for the manufacture of products within the following industries: paints, varnishes, inks, putties, sealants, agro-chemical products.



## E4

### Vinavil Egypt for Chemicals

66 Kornish Elnil Street

Maadi, Cairo

Egypt

Tel: +20 10 2601 2121

Fax: +20 2 2528 7035

Email: gihan.boraie@vinavil.eg

Website: www.vinavil.com

Stand contact: Gihan Boraie

Vinavil Egypt a worldwide technology company with local focus, is expanding its range of products to contain styrene acrylic emulsions. This is through the establishment of its new plant in Suez with an area of 6000m<sup>2</sup> and an annual production capacity of 25,000t, that is planned to start-up by mid-2018.

## K15

### Vink Chemicals GmbH & Co KG

Vink Corporation DMCC 1805, JBC-5  
Cluster W, Jumeriah Lakes Towers (JLT)  
PO Box 128194 Dubai  
UAE

Tel: +971 50 540 8314

Email: v.nair@vink-chemicals.com

Website: www.vink-chemicals.com

Stand contact: Vijay Nair

Vink Chemicals GmbH & Co KG focusses on manufacturing biocide products for a variety of Industries in liquid, water-based formulations, such as solutions, emulsions and dispersions. Kimix Chemical Co Ltd is a member of Vink Chemicals GmbH & Co KG and promotes cellulose ethers, iron oxide, TiO<sub>2</sub> and RDP.

## G5

### Visen

## F1

### VMA-Getzmann GmbH

Euelerhammerstr 3  
Reichshof 51580, Germany

Tel: +49 (0)229 6803 0

Fax: +49 (0)2296 803 33

Email: info@vma-getzmann.de

Website: www.vma-getzmann.de

Stand contact: Adam Snietka

VMA-Getzmann GmbH, is a leading manufacturer for innovative and high quality dispersing systems. The technological spectrum of Dispermat dissolver and bead mills for application in laboratory, pilot plant and production is flexible due to modular design. Furthermore, the patented Torusmill presents the combination of dissolver and bead mill in one machine. This company is co-exhibiting with IST Italia Sistemi Tecnologici SpA.



## K4

### Wacker Chemie AG

Hanns-Seidel-Platz 4  
Munich 81737, Germany

Tel: +49 89 6279 1644

Fax: +49 89 6279 2410

Email: dagmar.heisler@wacker.com

Website: www.wacker.com

Stand contact: Dagmar Heisler

Wacker is a globally-active chemical company with some 13,450 employees and annual sales of around €4.6bn (2016, without Siltronic). Wacker has a global network of 23 production sites, 18 technical competence centres and 48 sales offices.

## F18

### Weikem Chemical Co Ltd

No 35 Dingxing Road  
Yangzhou, Jiangsu 225004  
PR China

**Tel:** +86 514 8581 5967

**Email:** richard@weikem.com

**Website:** www.weikem.com

**Stand contact:** Richard Lian

Weikem Chemical Co Ltd is a professional cellulose ether manufacturer. It set up in 2002 and now has a total capacity of 15,000t/yr. Products include WeKcelo HEC, EHEC, HPMC and MHEC etc. Its production is strictly according to ISO9001:2008. 'To be your most satisfactory cellulose ether supplier' is its main aim.



## Q30

### Westerlins Maskinfabrik AB

Trehogsgatan 10 Trehogsgatan 10  
Malmö SE-213 76, Sweden

**Tel:** +46 55 54 00

**Fax:** +46 55 54 03

**Email:** paul.billing@westerlins.com

**Website:** www.westerlins.com

**Stand contact:** Paul Billing

It is active worldwide. Its business concept is to develop and manufacture bespoke equipment based on the client's local philosophy and conditions. It optimises your mixing and dispersion investments in the coating industry. Its machines have been successfully introduced in the Middle East, Far East, in the USA and Europe. This company is co-exhibiting with Willy A Bachofen AG.



## Q30

### Willy A Bachofen AG

Junkermattstrasse 11  
Muttentz, Baselland 4132  
Switzerland

**Tel:** +41 61 0686 7100

**Email:** d.vonarb@wab-group.com

**Website:** www.wab-group.com

**Stand contact:** Dominik von Arb

With its world famous Dyno-Mill, WAB is the undisputed specialist in dispersion and grinding technology. With its comprehensive range of mills, you can be sure to find the right model for your product and your process. Willy A Bachofen AG.

## Q4A

### Wuhan Shine Technology Co Ltd

Room 2601, Building 2, Duhuixuan  
Square, 7th, No Jiangnan Road  
Jiangnan District, Wuhan 430000  
PR China

**Tel:** +86 27 8277 0893

**Mobile:** +86 135 5407 9956

**Website:** www.shinechems.com

**Stand contact:** Ms Coco

Wuhan Shine Technology Co Ltd has more than 10 years of history. It is a comprehensive enterprise specialising in the manufacture of optical brightener agents and dyestuff.

## M6

### X-Rite Europe GmbH

Althardstrasse 70 8105

Regensdorf

Switzerland

**Tel:** +39 05 7452 7755

**Email:** sviscomi@xrite.com

**Website:** www.xrite.com

**Stand contact:** Mr Simone Viscomi

X-Rite is the global leader in colour science and technology. The company, which now includes design industry colour leader Pantone Inc, develops, manufactures, markets and supports innovative colour solutions through measurement systems, software, colour standards and services. This company is co-exhibiting with Al Shihab Al Thahabi Tr Co LLC.

## C5

### Yantai Yuanli Machinery Manufacturing Co Ltd

No 28 Qunying Road, Fushan High Tech  
Zone, Yantai, PR China

**Tel:** +86 535 643 1112

**Mobile:** +86 134 6555 0632

**Email:** gillian@yuanlico.com

**Website:** www.yuanlico.com

**Stand contact:** Gillian and Alian

Powder coating machinery and raw materials.

## C8

### Yichang Hifull Silicon Material Co Ltd

No 66-2, Xiaoting Avenue, Xiaoting  
District, Yichang City, Hubei Province  
PR China

**Tel:** +86 717 710 9783

**Mobile:** +86 158 7258 7550

**Email:** hifull@hifull.com

**Website:** www.hifull.com

**Stand contact:** Tuo Wenwen

Yichang Hifull Silicon Material Co Ltd is a high-tech enterprise specialised in fumed silica. It produces more than 10 grades of hydrophilic and hydrophobic fumed silica. Its production capacity is 8000t/yr.

## Q33

### Yingde Yakai Polymeric Co Ltd

No 3, Jinnan Rd. Huaqiao New Material  
Industrial Zone, Donghua County  
Yingde City Guangdong 513000  
PR China

**Tel:** +86 731 8225 2337

**Fax:** +86 86 731 8225 3361

**Email:** esource@vip.sina.com

**Website:** www.honnetec.cn

**Stand contact:** Mr Peter Kuang

Yingde Yakai Polymeric Material Co Ltd, founded in 1995, is a professional manufacturer of organic peroxides in China. Products include: BPO, CHPO and MEKPO, which are widely used as hardeners for poly-putty, marble adhesive, PE paints, MMA road marking paint, MMA flooring.

## A2

### Young's Corporation

11, Gangnam-Daero 18-Gil  
Seocho-Gu, Seoul 06778  
South Korea

**Tel:** +82 2 2057 0390

**Fax:** +82 2 2057 0399

**Email:** yslee@youngscorp.com

**Website:** www.youngscorp.com

Korean Chemicals' products include: Additives (defoamer, dispersant, thickener etc); opaque polymer (hollow pigment) resins (emulsion resin, epoxy resin, TDI & polyol etc).

Raw materials include: (Acrylate, FA, glycerine, MA, PA, THPA, PIA, PTA etc); Solvents (Acetone, BG, EA, IPA, PM, PMA, solvent Naphtha, white spirit etc).

## N9

### Ystral GmbH Maschinenbau + Processtechnik

## K3

### Yuxing Pigment (Yixing) Co Ltd

No 99 Hongta Street  
Yixing Economic And Technological  
Development Zone Jiangsu  
PR China

**Tel:** +86 510 8722 6777

**Mobile:** +86 188 6155 9798

**Email:** mark\_wan@yuxingpigment.com

**Website:** www.yuxingpigment.com

**Stand contact:** Wan Xin Jun

Yuxing Pigment is one of the largest manufacturers of iron oxide pigment in China, with an annual capacity of about 200,000t, which covers red, yellow, black, brown, orange, green and blue. Besides their bright colour and stable performance, Yuxing's pigments have unique weatherability and rotproofness and are well received around the world.

## A1

### Zehntner GmbH Testing Instruments

Gewerbestrasse 4  
Sissach, Baselland 4450  
Switzerland

**Tel:** +41 61 953 05 50

**Fax:** +41 61 953 05 51

**Email:** [marketing@zehntner.com](mailto:marketing@zehntner.com)

**Website:** [www.zehntner.com](http://www.zehntner.com)

**Stand contact:** Severine Berger

The brand name Zehntner stands for Swiss precision at high quality; electronic and physical measuring and testing Instruments for all kind of surfaces.

Product range: glossmeter, scrubtester, crockmeter, applicators, vacuumplates, cross-cut, hardness, grindometer, drying gauges, wet film thickness gauges, mar resistance, flow cups, temperature control jacket, pycnometer, mandrel, impact, helmen-chalking.

## R5

### Zen FZE

## N3

### Zhangjiagang TongHui Chemical Machinery Co Ltd

#18 Lixiang Road, Zhangjiagang  
Jiangsu, PO 215600  
PR China

**Tel:** +86 512 5637 9399

**Mobile:** +86 139 1572 1272

**Email:** [jasmine@huiertong.com](mailto:jasmine@huiertong.com)

**Website:** [www.cnthjx.com](http://www.cnthjx.com)

**Stand contact:** Jasmine Huang

TongHui Machinery, founded in 2002, is devoted to the research, development and manufacture of equipment for the chemical industry.

TongHui has been able to fulfill the demand in various industries, such as paint, coatings, ink & dyes, pigments, adhesives, resin, pesticides etc.

Its core machines are mills, mixers, dispersers and mixing tanks.

## L15

### Zhangqiu Metallic Pigment Co Ltd

Sangyuan Industrial Park, Zhangqiu City  
Shandong Province  
PR China

**Tel:** +86 531 8326 1860

**Mobile:** +86 158 6673 3664

**Email:** [Andrew@zqmetallic.com](mailto:Andrew@zqmetallic.com)

**Website:** [www.zqmetallic.com](http://www.zqmetallic.com)

**Stand contact:** Andrew Li

Established in 1987, it is currently the largest producer of aluminium pigment in China by volume. Its products include: marine leafing & non leafing paste, waterborne grades and resin coated grades, paste grades for refinish, OEM,

coil and plastic coatings & ink and aluminium powder for aerated concrete and solar applications.

## H20

### Zhejiang Huayuan Pigment Co Ltd

43 Longshan Road, Zhongguan Town  
Deqing County, Huzhou City, Zhejiang  
Province 313220, PR China

**Tel:** +86 571 8581 2160

**Fax:** +86 571 8581 2161

**Email:** [info@ironoxide.com.cn](mailto:info@ironoxide.com.cn)

**Website:** [www.ironoxide.com.cn](http://www.ironoxide.com.cn)

**Stand contact:** Jessica

Zhejiang Huayuan Pigment Co Ltd is attending *MECS 2018* with its most popular products, as well as its newly released iron oxide pigment products and is presenting a full range of colours including red, yellow, black, orange, brown and green under the brand name Hyrox.

## M19

### Zhejiang Namei Material Technology Co Ltd

Beishan Industrial Park, Anji County  
Zhejiang Province 313301  
PR China

**Tel:** +86 572 550 8990

**Mobile:** +86 180 5725 9980

**Email:** [xinpei@nano-matec.com](mailto:xinpei@nano-matec.com)

**Website:** [www.nano-matec.com](http://www.nano-matec.com)

**Stand contact:** Xin Pei

Namei Material Technology is a leading water-based pigment dispersion manufacturer in China, with production capacity of 10000t/yr. Its products can be used in various industries, such as coatings, inks, textiles, papermaking and latex products. Its water-based dispersions are environmentally protective, in accordance with relevant international regulations.

## D5B

### Zhengzhou Sanhua Technology and Industry Co Ltd

Feilong Road, Xingyang City  
Henan 450121  
PR China

**Tel:** +86 371 6785 7232

**Mobile:** +86 185 3996 0817

**Email:** [Info@santint.com](mailto:Info@santint.com)

**Website:** [www.santint.com](http://www.santint.com)

**Stand contact:** Ivy Zhao

Santint, established in 1996, has become one of the top three suppliers of tinting and mixing machines in the world. It has won 160 patents and made great breakthroughs in product technologies. It provides good quality products and efficient service through 40+ subsidiaries, offices and agents.



# MIDDLE EAST COATINGS SHOW 2018

This event is organised by the Coatings Group, dmg :: events, publisher of the leading publications in the coatings industry, *Polymers Paint Colour Journal (PPCJ)* and *Asia Pacific Coatings Journal (APCJ)*

## EXHIBITION OPENING TIMES:

**Monday, March 19, 2018 10:00–18:00**

**Tuesday, March 20, 2018 10:00–18:00**

**Wednesday, March 21, 2018 10:00–15:00**

## EXHIBITORS

### COMPANY

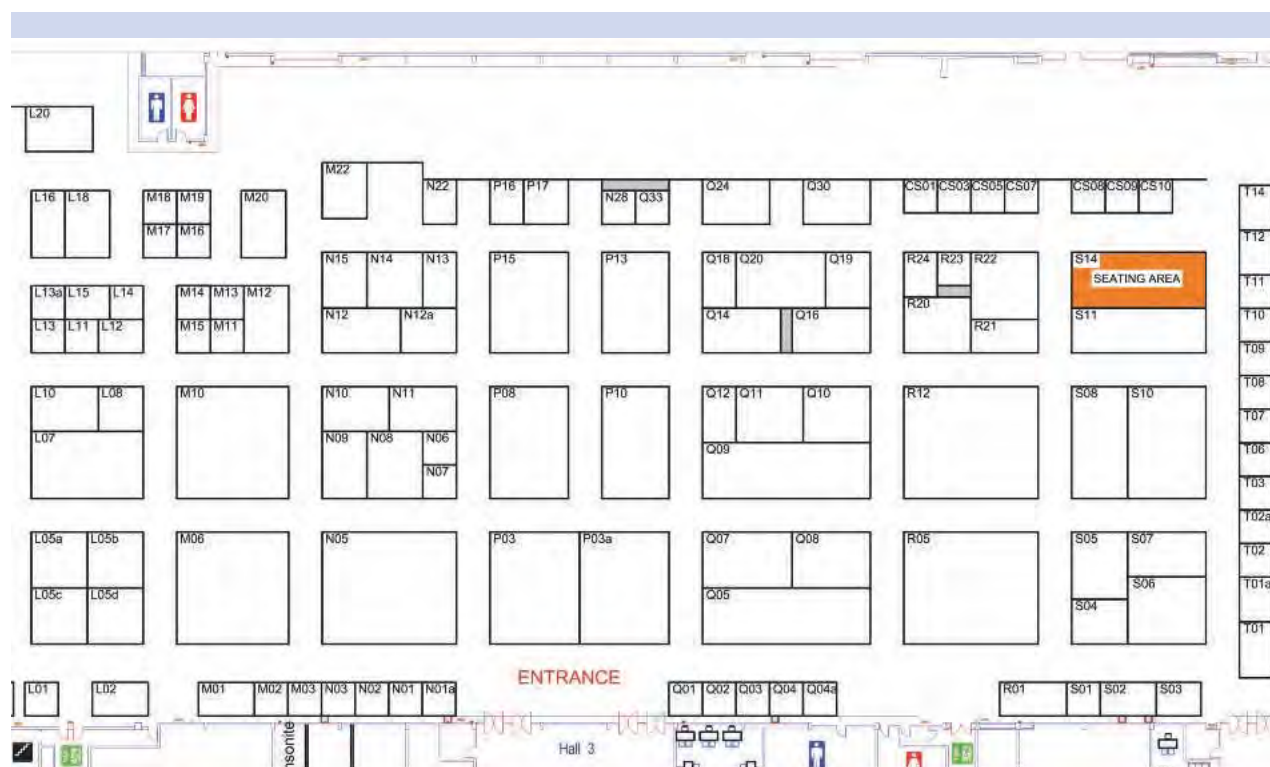
COMPANY	STAND
ABC CHEMICAL EXPORTS PVT LTD.....	S6
AGC CHEMICALS EUROPE.....	K16
AL KHOWAHIR CHEMICALS .....	S11
AL SANEA CHEMICAL PRODUCTS.....	Q9
AL SHIHAB AL THAHABI TR LLC .....	M6
ALLNEX NETHERLANDS BC.....	P10
ANADOLU MIKRONIZE MADECILIK SAN VE TIC AS .....	D4B
ANHUI KINGCHAM NEW MATERIALS CO LTD .....	Q3
ANHUI SHENJIAN NEW MATERIALS CO LTD .....	F6
ANICHEM FZCO .....	S5
ARABIAN CARBONATE .....	D5A
ARABIAN ZINC OXIDE COMPANY .....	J20
ARON UNIVERSAL LTD .....	G17

### STAND

ASCOM FOR CARBONATE & CHEMICALS MANUFACTURING ..	S2
ASHA PENN COLOR PVT LTD.....	S6
ASHLAND SPECIALITY INGREDIENTS .....	K15
BDC DISTRIBUTION PVT LTD .....	N12A
BEING INSTRUMENT INC.....	L16
BENDA-LUTZ -SUN CHEMICALS .....	R12
BEVS INDUSTRIAL CO LTD .....	H4
BIP (OLDBURY) LTD .....	S6
BIUGED INSTRUMENTS CO LTD .....	L2
BODO MÖLLER CHEMIE .....	G1
BONYAN KALA CHEMIE CO (BKC) .....	K7
BÜHLER AG.....	D4A
BUSS AG .....	M6
BYK CHEMIE GMBH.....	J6



BYK GARDNER GMBH.....	J6	ECUTEC BARCELONA SL.....	H18
CANTARELLA & MOLteni SRL.....	F17	EGE KIMYA SAN VE TIC AS.....	S4
CATHAY INDUSTRIES (AFRICA) (PTY) LTD.....	M6	ELCROM SRL.....	Q10
CATHAY INDUSTRIES ASIA PACIFIC LTD.....	M6	EL-MOHANDES FOR COATINGS & SOLVENTS.....	Q18
CCPIT SUB-COUNCIL OF CHEMICAL INDUSTRY.....	C10	ENVIRON SPECIALITY CHEMICALS GULF FZE.....	P17
CFF GMBH & CO KG.....	P8/13/15	ERICHSEN GMBH & CO KG.....	M6
CHANGZHOU HICKORY CHEMICAL CO LTD.....	E2	ESTERPOL PERFORMANCE RESINS.....	T8
CHEMCOAT.....	F4	EUCHEMY INDUSTRY CO LTD.....	F2
CHEMICAL PARTNERS EUROPE SA.....	H12	EUROCHEM INTERNATIONAL FZE.....	C6B
CHEMIPOL SA.....	R20	EVERLIGHT CHEMICAL INDUSTRIAL CORPORATION.....	M6
CHEMISCHE FABRIK BUDENHEIM KG.....	K10	EVONIK INDUSTRIES AG.....	J9
CHEMOURS INTERNATIONAL OPERATIONS SARL.....	H5	FAST & FLUID, THE TINTING COMPANY.....	M6
CHINA CHANGSHA ZHONGLONG CHEMICAL CO LTD.....	K30	FIRSTTRUTH COLORANTS CHINA CO LTD.....	L1
CHNV TECHNOLOGY CO LTD.....	H25	FOSHAN XINTU CHEMICAL CO LTD.....	F8B
CIM TRADING CO FZC.....	F1	FP-PIGMENTS OY.....	M6
CIMSA CIMENTO.....	N2	FTC KOREA.....	N1A
CLEAN BLAST INTERNATIONAL.....	N11	G&J RESOURCES INC.....	G20
CNNC HUAYUAN TITANIUM DIOXIDE CO LTD.....	D6	GALSTAFF MULTIRESINE SPA.....	N15
COATINGS GROUP.....	D8	GAPUMA UK LTD.....	M20
COLORIS GLOVAL COLORING CONCEPT.....	G15	GBXF SILICONES CO LTD.....	M11
COMEC SRL.....	K14	GEMINI TECHNIK BV.....	M6
COPRABEL SA.....	P16	GREEN EGYPT CO.....	L5B
COVESTRO INTERNATIONAL SA.....	E12	GUANGDONG YINYANG ENVIRONMENT-FRIENDLY NEW MATERIALS CO LTD.....	J31C
CRISTAL.....	P3	GUANGXI BLUESTAR DAHUA CHEMICAL CO LTD.....	Q1
DALIAN BIO-CHEM COMPANY LIMITED.....	CS1	GUANGZHOU CHEMICALS IMPORT & EXPORT CO LTD.....	F20
DATACOLOR AG EUROPE.....	T12	GUANGZHOU JINZONG MACHINERY CO LTD.....	H2
DE VREE.....	K13	GUANGZHOU JUNNENG CHEMICALS CO LTD.....	K21
DEFELSKO CORPORATION.....	N11	GUANGZHOU KINTE MATERIALS SCIENCE AND TECHNOLOGY CO LTD.....	M16
DIA 33 LLC.....	P8/13/15	GUANGZHOU RICH CHEMICAL CO LTD.....	J25
DIAF PILVAD A/S.....	J11	GULF CHEMICALS.....	T3
DONGSUN POWDER PROCESSING EQUIPMENT CO LTD.....	H24	H.A.K INDUSTRIAL CHEMICALS (LLC).....	J20
DROMONT SRL.....	K14	HANATEK.....	J1
DSM COATING RESINS BV.....	M6		
DYNAMECH INDUSTRIES (M) SDN BHD.....	J11		



MIDDLE EAST COATINGS SHOW DUBAI 2018 MARCH 19-21 HALLS 1-4, DWTC, DUBAI, UAE

HANGZHOU DERY CHEMICAL CO LTD .....	J32	NEW SINO-FRENCH POLYMER MATERIALS CO LTD .....	F12
HANGZHOU FORWARD FINE CHEMICAL CO LTD .....	F8	WILHELM NIEMANN GMBH & CO.....	K8
HANGZHOU ZEALAN CHEMICAL CO LTD.....	M17	NIGTAS AS.....	J4
HARIS AL AFAQ.....	S7	NITRO CHEMICAL INDUSTRY LTD.....	S6
HEBEI SHIELD EXCELLENCE TECHNOLOGY CO LTD.....	K2	NITRO QUIMICA .....	Q16
HEIFEI SUNRISE ALUMINIUM PIGMENTS CO LTD .....	L11	NOBEL NC CO LTD .....	S6
HENAN BOTAI CHEMICAL BUILDING MATERIALS CO LTD .	Q12	NOVASOL CHINA LIMITED .....	F8A
HIWAY SRL .....	F9	OFRU RECYCLING GMBH & CO LTD .....	M6
HONNETE INTERNATIONAL ENTERPRISE LTD .....	Q33	OLIVER Y BATLLE SAU.....	K20
HORIZON CHEMICALS TRADING .....	Q9	OMYA UAE.....	L5D
HORIZON FOR PLASTIC PRODUCTS CO .....	S3	OPTICHEM .....	K10
HORMOZ POWDER FZE.....	Q14	PANZHUIHUA DONGFANG TITANIUM INDUSTRY CO LTD.....	A3
HUANGSHAN HUAHUI TECHNOLOGY CO LTD.....	J30	PETROCHEM MIDDLE EAST .....	N5
HUBEI GREENHOME MATERIALS TECHNOLOGY INC.....	J28	QUANZHOU SANWEI CHEMICAL INDUSTRY CO LTD.....	K27
HUPC CHEMICAL CO LTD .....	H1	POTTERS EUROPE .....	J20
ICHEMAD PROFARB SP ZOO .....	S1	PRITTY PEARLESCENT PIGMENTS.....	L10
IEC+SRL .....	M6	RAINBOW GENERAL TRADING LLC.....	H5A
IEC PLANT ENGINEERING SDN BHD .....	N18	RAR RESIN .....	M10
IMERYS.....	K6	REDA CHEMICALS .....	K10
IMERYS KAOLIN .....	K6	RESITAN CO .....	J24
IMMEA SRL .....	F5	RHOPOINT INSTRUMENTS.....	J1
INDIAN CHEMICAL INDUSTRIES.....	G8	RISHICHEM MIDEAST LTD .....	H7
INDOFIL INDUSTRIES LIMITED.....	R24	RIVEDIL.....	J12
INNER MONGOLIA TIANZHJIAO KAOLIN CO LTD .....	L134A	ROTEC GMBH & CO KG.....	P8/P13/P15
INTER-CHINA CHEMICAL CO LTD .....	M15	RUNTAI CHEMICAL CO LTD.....	Q19
IST ITALIA SISTEMI TECNOLOGICI SPA .....	F1	SAFIC-ALCAN NECARBO (MIDDLE EAST) BV.....	E8
ITALTINTO EQUIPMENTS PVT LTD.....	S11	SANCORA PAINTS INDUSTRIES SDN BHD .....	N1
J COLOR SPA.....	Q10	SANHE HOFMANN CHEMICAL MANUFACTURING CO LTD.D7	
JANA - JUBAIL CHEMICAL INDUSTRIES COMPANY.....	L7	SAUDI CARBONATE .....	L5A
JESONS INDUSTRIES LTD .....	Q5	SE TYLOSE GMBH & CO. KG.....	S11
JIANGSU EVERGREEN NEW MATERIAL TECHNOLOGY CO LTD.K23		SEA HAWK PAINTS & WHITE SPIRITS .....	R21
JIANGSU GUOLIAN TECHNOLOGY CO LTD.....	L12	SENSORY ANALYTICS (SPECMETRIX SYSTEMS).....	K11
JIANGSU HUALUN CHEMICAL INDUSTRY CO LTD.....	H26	SHANDONG GANGTIAN PETROCHEMICAL CO LTD .....	CS3
JIANGSU POLYLAND NEW MATERIALS TECHNOLOGY CORPM13		SHANDONG HEAD CO LTD .....	M22
JIFTEX POLYMERS .....	R1	SHANDONG HEARST BUILDING MATERIAL CO LTD .....	F19
JINKUN SILI CERAMIC BEADS CO LTD .....	M3	SHANDONG SENJIE CLEANTECH CO LTD .....	G2
JORDAN CARBONATE CO.....	L5C	SHANDONG SHIDA SHENGHUA CHEMICAL GROUP CO LTD.CS7	
JUTO CO LTD .....	J29	SHANDONG YITENG NEW MATERIAL CO LTD.....	K11A
JYOTI CERAMIC INDUSTRIES PVT LTD .....	H22	SHANGHAI BITONER RESIN CO LTD .....	F3
KEMPRO KIMYASAL MADDELER VE DIS TICARET AS.....	F7	SHANGHAI CEVAL CHEMICAL CO LTD .....	L8
KETAN EUROPA SL.....	M6	SHANGHAI ELE MECHANICAL & ELECTRICAL EQUIPMENT CO LTD.....	M1
KEVIN (INDIA) CO .....	G10	SHANGHAI FARFLY ENERGY TECHNOLOGY CO LTD.....	H3
KH CHEMICALS .....	N10	SHANGHAI JIUTA CHEMICAL CO LTD.....	J8
KIMIX CHEMICAL CO LTD .....	K15	SHANGHAI ROOT MECHANICAL AND ELECTRICAL CO LTD ..	31
KINGSTONE CHEMICAL CHINA CO LTD .....	H23	SHANGHAI RURAL INDUSTRIES CO LTD .....	C3
KOLORJET CHEMICALS PVT LTD.....	G18	SHANGHAI SIEHE IMPORT & EXPORT CO LTD.....	K22
KRATON CHEMICAL BV .....	G12	SHANGHAI YINJIA INTERNATIONAL TRADING CO LTD .....	C9
LEXCEL-CHEM LIMITED-NIGERIA .....	C6B	SHANGHAI ZHONGJING INTERNATIONAL TRADE CO LTD....	K29
LIAYANG GUANGHUA CHEMICAL CO LTD .....	CS5	SHEPHERD COLOR .....	N12A
LOMON BILLIONS .....	L18	SICHUAN LIZHOU VANADIUM & TITANIUM CO LTD .....	C4
LONA INDUSTRIES LTD.....	D1	SIGMUND LINDNER GMBH .....	M6
LONZA.....	S11	SILICONI COMMERCIALE SPA .....	G7
LUKEM D O O .....	J18	SILITEX SRL.....	K12
MALLAK SPECIALTIES PVT LTD .....	H9	SOLAR ORGANICS .....	C7
MANASEER CARBONATE .....	Q7	SOLVOCHEM FZCO .....	H8
MERCURY INDUSTRIES LTD.....	A2A	SOLYMAN SERVICES (UK) LTD .....	Q8
MIRODUR SPA.....	L14	SOUJANYA COLOR PVT LTD .....	N12
MPC PROKIM .....	G6	SPECMETRIX SYSTEMS.....	K11
NANJING JINSHAN CHEMICAL TECHNOLOGY CO LTD ....	Q4	SPRING GREEN CORPORATION .....	K24
NANJING TIANSHI NEW MATERIAL TECHNOLOGIES CO LTD...	K1	SUDARSHAN CHEMICALS.....	R12
NANYANG LINGBAO PEARL PIGMENT CO LTD .....	N7	SYNRES BV .....	M6
NATIONAL CO FOR CHEMICAL INDUSTRIES – NASYDCO	F10	SYNTHOMER MIDDLE EAST .....	J16
NETZSCH-FEINMAHLTECHNIK GMBH .....	H18		



TAIZHOU RUIBAI CHEMICAL CO LTD .....	M18	WEIKEM CHEMICAL CO LTD.....	F18
TARACHEM INDUSTRIAL GROUP.....	A4	WESTERLINS MASKINFABRIK AB .....	Q30
TASNEE (NATIONAL INDUSTRIALIZATION COMPANY).....	P3A	WILLY A BACHOFEN AG .....	Q30
TAWAZON CHEMICAL COMPANY LLC .....	R12	WUHAN SHINE TECHNOLOGY CO LTD.....	Q4A
TIANJIN ICASON TECHNOLOGY CO LTD .....	M2	X-RITE EUROPE GMBH .....	M6
TIANJIN ZHONGXIN CHEMTECH CO LTD.....	F16	YANTAI YUANLI MACHINERY MANUFACTURING CO LTD....	C5
TINOX CHEMIE GMBH .....	H6	YICHANG HIFULL SILICON MATERIAL CO LTD .....	C8
TINTING SYSTEMS COMPANY .....	J10	YINGDE YAKAI POLYMERIC CO LTD .....	Q33
TQC .....	N22	YOUNG'S CORPORATION.....	A2
TROY CORPORATION.....	R12	YSTRAL GMBH MASCHINENBAU & PROCESSTECHNIK....	N9
UNIQUE CHEMICAL LIMITED .....	N13	YUXING PIGMENT (YIXING) CO LTD.....	K3
UNIVAR.....	D6A	ZEHNTER GMBH TESTING INSTRUMENTS.....	A1
UNIVERSAL FILTRATION (SHANGHA) CO LTD.....	J31A	ZEN FZE.....	R5
VENKTRON .....	N22	ZHANGJIAGANG TONGHUI CHEMICAL MACHINERY CO LTD..	N3
VIBFAST PIGMENTS PVT LTD .....	C6A	ZHANGQIU METALLIC PIGMENT CO LTD.....	L15
VIBRO-MAC SRL .....	F5	ZHEJIANG HUAYUAN PIGMENT CO LTD .....	H20
VINAVIL EGYPT FOR CHEMICALS.....	E4	ZHEJIANG NAMEI MATERIAL TECHNOLOGY CO LTD.....	M19
VINK CHEMICALS GMBH & CO KG .....	K15	ZHENGZHOU SANHUA TECHNOLOGY AND INDUSTRY CO LTD ..	D5B
VISEN POLYMERS FZE.....	G5		
VMA-GETZMANN GMBH .....	F1		
WACKER CHEMIE AG.....	K4		

Please note this list is subject to change  
Visit [www.coatingsgroup.com](http://www.coatingsgroup.com) for more information

## PRODUCT FINDER

### ADDITIVES

ABC Chemical Exports PVT Ltd  
Al Khowahir Chemicals  
Al Shihab Al Thahabi Tr Co LLC  
Allnex  
Anadolu Mikronize Madencilik San Ve Tic As  
Anhui Kingcham New Materials  
Anichem FZCO  
Biuged Instruments Co Ltd  
BYK-Chemie GmbH  
Changzhou Hickory Chemical Co Ltd  
Chemipol SA  
CHNV Technology Co Ltd  
Dynamech Industries  
Ege Kimya  
Environ Speciality Chemicals Gulf FZE  
Euchemy Industry Co Ltd  
Eurochem International FZE  
Evonik Industries AG  
FTC KOREA  
Gapuma  
GBXF Silicones Co Ltd  
HAK Industrial Chemicals LLC  
Henan Botai Chemical Building Materials  
Huangshan Huahui Technology Co Ltd  
Hubei Greenhome Materials Technology Inc  
IEC Plant Engineering SDN BHD  
Jiftex Polymers  
Juto Co Ltd  
Kingstone Chemical China Co Ltd  
Lomon Billions  
Lonza  
Lukem D. o. o.  
Mallak Specialties Pvt Ltd  
Nanjing Jinshan Chemical Technology  
Novasol China Limited  
Omya UAE

Quanzhou Sanwei Chemical Industry  
Rainbow General Trading  
RAR Resin  
REDA Chemicals  
Rivedil  
Runtai Chemical Co Ltd  
Safic-Alcan Necarbo (Middle East) BV  
Shandong Hearst Building Material Co Ltd  
Shandong Yiteng New Material Co Ltd  
Siliconi Commercial SpA  
Silitex srl  
Synthomer  
Tawazon Chemical Company LLC  
Tianjin Zhongxin Chemtech Co Ltd  
Troy Corporation  
Unique Chemical Limited  
Wacker Chemie AG  
Weikem Chemical Co Ltd  
Wuhan Shine Technology Co Ltd  
Yichang Hifull Silicon Material Co Ltd  
Young's Corporation

### ADHESIVES

Al Khowahir Chemicals  
Biuged Instruments Co Ltd  
Chemipol SA  
Coprabel SA  
Covestro  
Dynamech Industries  
Environ Speciality Chemicals Gulf FZE  
Esterpol Performance Resins  
Eurochem International FZE  
Evonik Industries AG  
Lexcel-Chem Ltd  
Galstaff Multiresine SpA  
Guangdong Yinyang Environment-  
Friendly New Materials Co Ltd

Guangzhou Junneng Chemicals Co Ltd  
Guangzhou Rich Chemical Co Ltd  
Henan Botai Chemical Building Materials  
Horizon Chemicals  
Jiftex Polymers  
Kolorjet Chemicals Pvt Ltd  
Manaseer Carbonate  
MPC Prokim  
National Co for Chemical Industries - NASYDCO  
Rainbow General Trading  
RAR Resin  
REDA Chemicals  
Safic-Alcan Necarbo (Middle East) BV  
Shandong Yiteng New Material Co Ltd  
Tawazon Chemical Company LLC  
Tianjin Zhongxin Chemtech Co Ltd  
Vinavil Egypt for Chemicals  
Wacker Chemie AG  
Weikem Chemical Co Ltd  
Yingde Yakai Polymeric Co Ltd

### BIOCIDES

Al Khowahir Chemicals  
Al Shihab Al Thahabi Tr Co LLC  
Chemipol SA  
Dalian Bio-Chem Company Limited  
Environ Speciality Chemicals Gulf FZE  
Eurochem International FZE  
Evonik Industries AG  
HAK Industrial Chemicals LLC  
Horizon Chemicals  
Kimix Chemical Co Ltd  
Lonza  
Mallak Specialties Pvt Ltd  
Rainbow General Trading  
RAR Resin  
REDA Chemicals

Safic-Alcan Necarbo (Middle East) BV  
Sanhe Hofmann Chemical Manufacturing  
Tawazon Chemical Company LLC  
Tianjin Zhongxin Chemtech Co Ltd  
Vink Chemicals GmbH & Co KG

### CHEMICALS

ABC Chemical Exports PVT Ltd  
Al Khowahir Chemicals  
Al Shihab Al Thahabi Tr Co LLC  
Anadolu Mikronize Madencilik San Ve Tic As  
Anichem FZCO  
Ascom Carbonate and Manufacturing  
Ashland Speciality Ingredients  
Biuged Instruments Co Ltd  
Bonyan Kala Chemie Co (KBC)  
Celotech Chemical Co Ltd  
CFF GmbH & Co KG  
Changzhou Hickory Chemical Co Ltd  
Chemipol SA  
ChemischeFabrikBudenheim KG  
Coprabel SA  
Covestro  
Dia33  
Dynamech Industries  
El-Mohandes for Coatings & Solvents  
Environ Speciality Chemicals Gulf FZE  
Esterpol Performance Resins  
Eurochem International FZE  
Evonik Industries AG  
Firsttruth Colorants China Co Ltd  
Juto Co Ltd  
Lexcel-Chem Ltd  
Lomon Billions  
Lonza  
G & J Resources Inc  
Galstaff Multiresine SpA

Gapuma  
 Guangzhou Chemicals Import & Export Co Ltd  
 Guangzhou Rich Chemical Co Ltd  
 HAK Industrial Chemicals LLC  
 Hebei Shield Excellence Technology Co Ltd  
 Henan Botai Chemical Building Materials  
 Honnete International Enterprise Ltd  
 Horizon Chemicals  
 Hubei Greenhome Materials Technology Inc  
 Jiangsu Evergreen New Material Technology  
 JiangSu Guolian Technology Co Ltd  
 Liaoyang Guanghua Chemical Co Ltd  
 Lomon Billions  
 Lukem D. o. o  
 Manaseer Carbonate  
 Nanjing Jinshan Chemical Technology  
 Nanyang Lingbao Pearl Pigment Co Ltd  
 National Co for Chemical Industries - NASYDCO  
 Nitro Quimica  
 Novasol China Limited  
 Omya UAE  
 Optichem  
 Panzhuhua Dongfang Titanium Industry Co Ltd  
 Quanzhou Sanwei Chemical Industry  
 Rainbow General Trading  
 RAR Resin  
 REDA Chemicals  
 Resitan Co  
 Rivedil  
 SE Tylose  
 Shandong Gangtian Petrochemical Co Ltd  
 Shandong Head Co Ltd  
 Shandong Senjie Cleantech Co Ltd  
 Shandong Shida Shenghua Chemical Group  
 Shandong Yiteng New Material Co Ltd  
 Shanghai Bitoner Resin Co Ltd  
 Sichuan Lizhuo Vanadium & Titanium Co Ltd  
 Silitex srl  
 Synthomer  
 Tasnee (National Industrialization Company)  
 Tianjin Zhongxin Chemtech Co Ltd  
 Troy Corporation  
 Unique Chemical Limited  
 WeiKem Chemical Co Ltd  
 Yichang Hifull Silicon Material Co Ltd  
 Yingde Yakai Polymeric Co Ltd  
 Young's Corporation

#### COLOUR, TINTING, FILLING

Al Khowahir Chemicals  
 Al Shihab Al Thahabi Tr Co LLC  
 Ascom Carbonate and Manufacturing  
 Biuged Instruments Co Ltd  
 Chemipol SA  
 Coprabel SA  
 Coloris Global Coloring Concept  
 Comec  
 Covestro  
 De Vree  
 Dromont  
 Dynamech Industries  
 Elcom SRL  
 Eurochem International FZE

Evonik Industries AG  
 Hangzhou Zealan Chemical Co Ltd  
 IEC Plant Engineering SDN BHD  
 Italtinto Equipments PVT Ltd  
 J Colors SpA  
 Lomon Billions  
 Manaseer Carbonate  
 Quanzhou Sanwei Chemical Industry  
 RAR Resin  
 Rivedil  
 Safic-Alcan Necarbo (Middle East) BV  
 Shanghai SIEHE Import & Export Co Ltd  
 Tianjin Zhongxin Chemtech Co Ltd  
 Tinting Systems Company  
 Willy A Bachofen AG  
 Wuhan Shine Technology Co Ltd  
 Yingde Yakai Polymeric Co Ltd

#### CONTAINERS

Biuged Instruments Co Ltd  
 Eurochem International FZE  
 RAR Resin  
 Universal Filtration (Shanghai) Co Ltd

#### DISPERSIONS

ABC Chemical Exports PVT Ltd  
 Al Khowahir Chemicals  
 Allnex  
 Ascom Carbonate and Manufacturing  
 Asha Penn Color Pvt Ltd  
 Biuged Instruments Co Ltd  
 Chemipol SA  
 Coloris Global Coloring Concept  
 Comec  
 Coprabel SA  
 Covestro  
 Dromont  
 Dynamech Industries  
 Environ Speciality Chemicals Gulf FZE  
 Eurochem International FZE  
 Evonik Industries AG  
 Firstruth Colorants China Co Ltd  
 Guangdong Yinyang Environment-Friendly New Materials Co Ltd  
 Guangzhou Junneng Chemicals Co Ltd  
 Hangzhou Zealan Chemical Co Ltd  
 Henan Botai Chemical Building Materials  
 Horizon Chemicals  
 IEC Plant Engineering SDN BHD  
 Indian Chemical Industries  
 IST Italia Sistemi Tecnologici SpA  
 JiangSu Guolian Technology Co Ltd  
 Jiftex Polymers  
 Kevin (India) Co  
 Kolorjet Chemicals Pvt Ltd  
 RAR Resin  
 REDA Chemicals  
 Safic-Alcan Necarbo (Middle East) BV  
 Silitex srl  
 Synthomer  
 Tawazon Chemical Company LLC  
 Tianjin Zhongxin Chemtech Co Ltd  
 Tinting Systems Company

Wacker Chemie AG  
 Willy A Bachofen AG  
 Zhejiang Namei Material Technology Co Ltd

#### EXTENDERS & FILLERS

Al Khowahir Chemicals  
 Al Shihab Al Thahabi Tr Co LLC  
 Arabian Carbonate  
 Esterpol Performance Resins  
 Eurochem International FZE  
 Evonik Industries AG  
 Foshan Xintu Chemicals Co Ltd  
 HAK Industrial Chemicals LLC  
 Horizon Chemicals  
 Jordan Carbonate Company  
 Manaseer Carbonate  
 Omya UAE  
 RAR Resin  
 REDA Chemicals  
 Rotec GmbH & Co KG  
 Tawazon Chemical Company LLC  
 Yichang Hifull Silicon Material Co Ltd  
 Young's Corporation  
 Yingde Yakai Polymeric Co Ltd

#### GLOSS & COLOUR

AGC Chemicals Europe  
 Al Khowahir Chemicals  
 Anhui Kingcham New Materials  
 Biuged Instruments Co Ltd  
 Covestro  
 Eurochem International FZE  
 Evonik Industries AG  
 Lomon Billions  
 Manaseer Carbonate  
 Omya UAE  
 RAR Resin  
 REDA Chemicals  
 Rhopoint Instruments  
 Tinting Systems Company  
 Willy A Bachofen AG  
 Zehntner GmbH Testing Instruments

#### INKS

Al Khowahir Chemicals  
 Biuged Instruments Co Ltd  
 Chemipol SA  
 Coprabel SA  
 Dynamech Industries  
 Ege Kimya  
 Environ Speciality Chemicals Gulf FZE  
 Eurochem International FZE  
 G & J Resources Inc  
 Guangdong Yinyang Environment-Friendly New Materials Co Ltd  
 Guangzhou Junneng Chemicals Co Ltd  
 HAK Industrial Chemicals LLC  
 Henan Botai Chemical Building Materials  
 Kevin (India) Co  
 Kolorjet Chemicals Pvt Ltd  
 Lexcel-Chem Ltd  
 Lomon Billions  
 Manaseer Carbonate

RAR Resin  
 REDA Chemicals  
 Tawazon Chemical Company LLC  
 Tianjin Zhongxin Chemtech Co Ltd  
 Wacker Chemie AG  
 Willy A Bachofen AG  
 Yingde Yakai Polymeric Co Ltd

#### PIGMENTS

ABC Chemical Exports PVT Ltd  
 Al Khowahir Chemicals  
 Al Shihab Al Thahabi Tr Co LLC  
 Benda Lutz – Sun Chemicals  
 Biuged Instruments Co Ltd  
 Chemipol SA  
 China Changsha Zhonglong Chemical Co Ltd  
 CNNC Huayuan Titanium Dioxide Co Ltd  
 Coloris Global Coloring Concept  
 Coprabel SA  
 Cristal  
 Dynamech Industries  
 Environ Speciality Chemicals Gulf FZE  
 Euchemy Industry Co Ltd  
 Eurochem International FZE  
 Firstruth Colorants China Co Ltd  
 FP-Pigments OY  
 G & J Resources Inc  
 Galstaff Multiresine SpA  
 Guangxi Bluestar Dahua Chemical Co Ltd  
 HAK Industrial Chemicals LLC  
 Hangzhou Dery Chemical Co Ltd  
 Hangzhou Forward Fine Chemical Co Ltd  
 Hangzhou Zealan Chemical Co Ltd  
 Hefei Sunrise Aluminium Pigments Co Ltd  
 Honnete International Enterprise Ltd  
 Horizon Chemicals  
 HUPC Chemical Co Ltd  
 Indian Chemical Industries  
 Inter-China Chemical Co Ltd  
 Kevin (India) Co  
 Kolorjet Chemicals Pvt Ltd  
 Lomon Billions  
 Lukem D. o. o.  
 Mallak Specialties Pvt Ltd  
 Manaseer Carbonate  
 Nanyang Lingbao Pearl Pigment Co Ltd  
 Omya UAE  
 Panzhuhua Dongfang Titanium Industry Co Ltd  
 Quanzhou Sanwei Chemical Industry  
 Rainbow General Trading  
 RAR Resin  
 REDA Chemicals  
 Rivedil  
 Safic-Alcan Necarbo (Middle East) BV  
 Shanghai Ceval Chemical Co Ltd  
 Shanghai Jiuta Chemical Co Ltd  
 Shanghai Zhongjing International Trade Co Ltd  
 Shepherd Color  
 Sichuan Lizhuo Vanadium & Titanium Co Ltd  
 Spring Green Corporation  
 Sudarshan Chemicals  
 Tawazon Chemical Company LLC  
 Tianjin Zhongxin Chemtech Co Ltd

Tinting Systems Company  
Unique Chemical Limited  
Vibfast Pigments  
Vink Chemicals GmbH & Co KG  
Wuhan Shine Technology Co Ltd  
Yuxing Pigment (Yixing) Co Ltd  
Zhangjiu Metallic Pigment Co Ltd  
Zhejiang Huayuan Pigment Co Ltd

#### PLANT & MACHINERY

Al Khawahir Chemicals  
Al Shihab Al Thahabi Tr Co LLC  
Ascom Carbonate and Manufacturing  
Biuged Instruments Co Ltd  
Comec  
De Vree  
Dongsun Powder Processing Equipment  
Dromont  
Dymatech Industries  
Eurochem International FZE  
Lexcel-Chem Ltd  
Guangzhou Jinzong Machinery Co Ltd  
Horizon Chemicals  
ICHEMAD Profarb  
IEC Plant Engineering SDN BHD  
Immea Srl  
IST Italia Sistemi Tecnologici SpA  
Jinkun Sili Ceramic Beads Co Ltd  
Mirodur SpA  
NETZSCH-Feinmahltechnik GmbH  
Oliver Y Battle SAU  
Pritty Pearlescent Pigments  
RAR Resin  
Shanghai ELE Mechanical & Electrical Equipment Co Ltd  
Shanghai Farfly Energy Technology Co Ltd  
Shanghai Root Mechanical and Electrical  
Shanghai SIEHE Import & Export Co Ltd  
Vibro-Mac Srl  
Westerlins Maskinfabrik AB  
Willy A Bachofen AG  
Zhangjiagang Tonghui Chemical Machinery  
Zhejiang Namei Material Technology Co Ltd  
Zhengzhou Sanhua Technology & Industry

#### POWDER COATINGS

AGC Chemicals Europe  
Al Khawahir Chemicals  
Al Shihab Al Thahabi Tr Co LLC  
Allnex  
Anhui Kingcham New Materials  
Anhui Shenjian New Materials Co Ltd  
Biuged Instruments Co Ltd  
Coprabel SA  
Dongsun Powder Processing Equipment  
Dymatech Industries  
Environ Speciality Chemicals Gulf FZE  
Eurochem International FZE  
Evonik Industries AG  
G & J Resources Inc  
Guangdong Yinyang Environment-Friendly New Materials Co Ltd  
Guangzhou Chemicals Import & Export

HAK Industrial Chemicals LLC  
IEC Plant Engineering SDN BHD  
Jiangsu Polyland New Materials Technology Corp  
Juto Co Ltd  
Kimix Chemical Co Ltd  
Kolorjet Chemicals Pvt Ltd  
Lomon Billions  
Manaseer Carbonate  
New Sino-French Polymer Materials Co Ltd  
RAR Resin  
REDA Chemicals  
Rivedil  
Tawazon Chemical Company LLC  
Tianjin Zhongxin Chemtech Co Ltd  
Vink Chemicals GmbH & Co KG  
Wacker Chemie AG  
WeiKem Chemical Co Ltd  
Yantai Yuanli Machinery Manufacturing Co Ltd  
Yingde Yakai Polymeric Co Ltd  
Zehntner GmbH Testing Instruments

#### RESINS

ABC Chemical Exports PVT Ltd  
AGC Chemicals Europe  
Al Khawahir Chemicals  
Allnex  
Al Shihab Al Thahabi Tr Co LLC  
Anhui Shenjian New Materials Co Ltd  
Anichem FZCO  
BIP (Oldbury) Ltd  
Biuged Instruments Co Ltd  
Bonyan Kala Chemie Co (KBC)  
Coprabel SA  
Covestro  
Dymatech Industries  
Environ Speciality Chemicals Gulf FZE  
El-Mohandes for Coatings & Solvents  
Esterpol Performance Resins  
Eurochem International FZE  
Evonik Industries AG  
Galstaff Multiresine SpA  
Guangdong Yinyang Environment-Friendly New Materials Co Ltd  
Guangzhou Chemicals Import & Export  
Guangzhou Junneng Chemicals Co Ltd  
Guangzhou Kinte Materials Science and Technology Co Ltd  
Guangzhou Rich Chemical Co Ltd  
IEC Plant Engineering SDN BHD  
Jiangsu Guolian Technology Co Ltd  
Jiangsu Polyland New Materials Technology Corp  
Lexcel-Chem Ltd  
Horizon Chemicals  
JANA - Jubail Chemical Industries Company  
Jiftex Polymers  
Juto Co Ltd  
Lukem D. o. o  
Mallak Specialties Pvt Ltd  
MPC Prokim  
National Co for Chemical Industries - NASYDCO  
New Sino-French Polymer Materials Co Ltd

Nitro Quimica  
Rainbow General Trading  
RAR Resin  
REDA Chemicals  
Resitan Co  
Rivedil  
Safic-Alcan Necarbo (Middle East) BV  
Shanghai Bitoner Resin Co Ltd  
Tawazon Chemical Company LLC  
Tianjin Zhongxin Chemtech Co Ltd  
Wacker Chemie AG  
Young's Corporation

#### SOLVENTS

Al Khawahir Chemicals  
Al Shihab Al Thahabi Tr Co LLC  
Allnex  
Anichem FZCO  
Biuged Instruments Co Ltd  
Bonyan Kala Chemie Co (KBC)  
Coprabel SA  
Dymatech Industries  
El-Mohandes for Coatings & Solvents  
Esterpol Performance Resins  
Eurochem International FZE  
Evonik Industries AG  
Gapuma  
Guangzhou Chemicals Import & Export  
Horizon Chemicals  
Hubei Greenhome Materials Technology Inc  
IEC Plant Engineering SDN BHD  
IST Italia Sistemi Tecnologici SpA  
Jiangsu Hualun Chemical Industry Co Ltd  
Lukem D. o. o.  
Nitro Quimica  
Novasol China Limited  
RAR Resin  
Safic-Alcan Necarbo (Middle East) BV  
Shandong Senjie Cleantech Co Ltd  
Taizhou Ruibai Chemical Co Ltd  
Tawazon Chemical Company LLC  
Tianjin Zhongxin Chemtech Co Ltd

#### TECHNICAL SERVICES

Al Khawahir Chemicals  
Al Shihab Al Thahabi Tr Co LLC  
Bonyan Kala Chemie Co (KBC)  
Coloris Global Coloring Concept  
Comec  
Datacolor  
Dromont  
Dymatech Industries  
Environ Speciality Chemicals Gulf FZE  
Eurochem International FZE  
Evonik Industries AG  
ICHEMAD Profarb  
REDA Chemicals  
Shanghai SIEHE Import & Export Co Ltd  
Yingde Yakai Polymeric Co Ltd

#### TEST EQUIPMENT

Al Khawahir Chemicals  
Al Shihab Al Thahabi Tr Co LLC

Being Instrument Inc  
BEVS Industrial  
Biuged Instruments Co Ltd  
BYK-Chemie GmbH  
Comec  
Datacolor  
DeFelsko Corporation  
Dromont  
Dymatech Industries  
Eurochem International FZE  
Hanatek  
REDA Chemicals  
Rhopoint Instruments  
Shanghai Yinjia International Trading Co Ltd  
SpecMetrix Systems (Sensory Analytics)  
Zehntner GmbH Testing Instruments

#### UV/EB TECHNOLOGY

Al Khawahir Chemicals  
Al Shihab Al Thahabi Tr Co LLC  
Allnex  
Biuged Instruments Co Ltd  
Coloris Global Coloring Concept  
Covestro  
Environ Speciality Chemicals Gulf FZE  
Eurochem International FZE  
Evonik Industries AG  
Galstaff Multiresine SpA  
Lomon Billions  
Tianjin Zhongxin Chemtech Co Ltd

#### VARNISHES

Al Khawahir Chemicals  
Biuged Instruments Co Ltd  
Chemipol SA  
Coprabel SA  
Ege Kimya  
Esterpol Performance Resins  
Eurochem International FZE  
Guangzhou Junneng Chemicals Co Ltd  
Horizon Chemicals  
J Colors Spa  
Manaseer Carbonate  
Mirodur SpA  
Nitro Quimica  
RAR Resin  
REDA Chemicals  
Tianjin Zhongxin Chemtech Co Ltd  
Young's Corporation  
Yingde Yakai Polymeric Co Ltd

#### WAXES

ABC Chemical Exports PVT Ltd  
Al Khawahir Chemicals  
Anhui Kingcham New Materials  
Bonyan Kala Chemie Co (KBC)  
Chemipol SA  
Dymatech Industries  
El-Mohandes for Coatings & Solvents  
Environ Speciality Chemicals Gulf FZE  
Eurochem International FZE  
Evonik Industries AG  
Nanjing Tianshi New Material Technologies



RAR Resin  
REDA Chemicals  
Silitex srl  
Tawazon Chemical Company LLC  
Young's Corporation

**OTHERS**

**Arabian Zinc Oxide Factory:**  
Zinc oxide, zinc dust

**Cantarella & Molteni:** Colour samples  
**Cimsa Cimento:** Cement and ready mix concrete  
**Coloris Global Coloring Concept:**  
Software for colour active management for tinting systems  
**Covestro:** Raw material supplier for paints and coatings  
**Esterpol Performance Resins:**

Polyester polyol, prepolymer  
**Jyoti Ceramic Industries:**  
Milling media; alumina ceramic grinding media; mill lining blocks  
**MPC Prokim:** Emulsion  
**Nigtas AS:** Calcium carbonate and limestone  
**Potters Europe:** Hollow and solid glass microspheres

**SANCora Paints Industries Sdn Bhd:**  
Textured paint raw material  
**Willy A Bachofen AG:** Mixing  
**Young's Corporation:**  
Grinding media (beads)  
**Yingde Yakai Polymeric Co Ltd:** Car refinishes, polymeric, hardeners, paints  
**Zehntner GmbH Testing Instruments:**  
Measuring equipment

# EXHIBITOR BUSINESS PRESENTATIONS

**March 19-20, 2018, within the Exhibition Hall**

These presentations will take place on the first two days of the exhibition and admission is free

<b>MARCH 19, 2018</b>			
Time Slot Day 1	Company	Speaker Name	Presentation Title
11.00-11.20	Cantarella	Delia Bassanini	TBC
11.30-11.50	Wacker	TBC	TBC
12.00-12.20	Covestro	Dr Dinesh Patel	Next Generation Polyaspartics Coatings
12.30-12.50	Al Shihab Al Thahabi	Mr Rahim K Jamal	Industrial Solutions
13.00-13.20	Oliver y Batlle	Mr Francesc Busquets	Cleaning systems automation through paint manufacturing process
<b>LUNCH BREAK</b>			
14.00-14.20	Dia'33/Evonik Industries AG	Markus Roos	TBC
14.30-14.50	Nitroquimica	Felipe Subtil	TBC
15.00-15.20	Bevs Industrial Co Ltd	Jackie Zeng	Intelligent R & D, Testing and Inspection
15.30-15.50	Synthomer	David Spensley	TBC
16.00-16.20	ChemPart	TBC	TBC
16.30-16.50	Siliconi	TBC	TBC
<b>MARCH 20, 2018</b>			
Time Slot Day 2	Company	Speaker Name	Presentation Title
11.00-11.20	Evonik Industries AG	Andre Raukamp	Uretdione technology for thermotransfer coatings
11.30-11.50	Kraton	Patrick Van Waes	Sylfat™ Tall Oil Fatty Acid, building block for high performing alkyd binder paint systems
12.00-12.20	BYK	Janos Hajas	New Additives for Industrial Coatings
12.30-12.50	Tinting Systems Company	Faraz Shahid	TBC
13.00-13.20	Ashland Specialty Ingredients	Mukund Gogte	Get rid of accelerators in Cementitious Tile Cements
<b>LUNCH BREAK</b>			
14.00-14.20	PetroChem	TBC	TBC
14.30-14.50	Buhler AG	Firat Saglam	A Smart Way of Making Inks and Coatings
15.00-15.20	Safic-Alcan Necarbo	Sandra Veerman	TBC
15.30-15.50	REDA Chemicals	Michael Demmler	Flame Retardancy with Budenheim
16.00-16.20	Rivedil	TBC	TBC
Programme may be subject to change			

أكسيد الحديد الصادرة حديثاً وتقدم مجموعة كاملة من الألوان يشمل ذلك الأحمر والأصفر والأسود والبرتقالي والبني والأخضر تحت العلامة التجارية Hyrox.

## D5B

### Zhengzhou Sanhua Technology and Industry Co Ltd

Feilong Road, Xingyang City  
Henan 450121

جمهورية الصين الشعبية

هاتف: +86 371 6785 7232

محمول: +86 185 3996 0817

البريد الإلكتروني: Info@santint.com

موقع الويب: www.santint.com

جهة الاتصال في منصة العرض: إيفي زاو

أصبحت Santint، التي تأسست عام 1996، واحدة من أفضل ثلاثة موردين لماكينات التلوين والمرج في العالم. ولقد فازت بـ 160 براءة اختراع وحقت طفرات عظيمة في تكنولوجيات الإنتاج. وهي توفر منتجات عالية الجودة وخدمة فعالة عن طريق فروعها التي يزيد عددها عن 40 من الشركات التابعة والمكاتب والوكلاء.

وتدعم حلول الألوان مبتكرة عن طريق أنظمة القياس والبرامج ومعايير الألوان والخدمات. وتشارك هذه ال في العرض مع الشهاب الذهبي للتجارة الفنية ذ.م.م.

## A2

### Young's Corporation

Gangnam-Daero 18-Gil, 11

Seocho-Gu, Seoul 06778

كوريا الجنوبية

هاتف: +82 2 2057 0390

فاكس: +82 2 2057 0399

البريد الإلكتروني: yslee@youngscorp.com

موقع الويب: www.youngscorp.com

تشمل منتجات Korean Chemicals: الإضافات (مزيلات الرغوة، المشتتات، مغلفات القوام وغيره)، وبوليمر الأوباك (الصيغة الخاوية) والراتنجات (الراتنج المستحلب وراتنج الإيبوكسي و TD والبوليول وغيره).

وتشمل المواد الخام: (الأكريلات، FA والجليسرين و PA و THPA و PIA و PTA وغيره)، والمذيبات (الأسيتون، EA و IPA و PM و PMA ومذيب النافثا والكحول الأبيض وغيره).

## N9

### Ystral GmbH Maschinenbau + Processtechnik

## A1

### Zehntner GmbH Testing Instruments

Gewerbestrasse 4

Sissach, Baselland 4450

سويسرا

هاتف: +41 61 953 05 50

فاكس: +41 61 953 05 51

البريد الإلكتروني: marketing@zehntner.com

موقع الويب: www.zehntner.com

جهة الاتصال في منصة العرض: سيفيرين برجر يمثل الاسم التجاري لـ Zehntner الدقة السويسرية بأعلى جودة. فهي تنتج معدات قياس واختبار إلكترونية وفيزيائية لكافة أنواع الأسطح.

مجموعة المنتجات: مقياس اللمعان، وحدة اختبار الكشط، مقياس الفخار وحدات المطابق، ألواح مفرغة، عدادات القطع والصلاية والطحن والجفاف، ومقاييس سماكة شريط رطب، مقاومة التشوه، أكواب التدفق، قميص التحكم في الحرارة، الكثاف والشياق ووحدة Impact وطباشير helmen.

## R1

### Zen FZE

## H20

### Zhejiang Huayuan Pigment Co Ltd

Longshan Road, Zhongguan Town 43

Deqing County, Huzhou City, Zhejiang

Province 313220

جمهورية الصين الشعبية

هاتف: +86 571 8581 2160

فاكس: +86 571 8581 2161

البريد الإلكتروني: info@ironoxide.com.cn

موقع الويب: www.ironoxide.com.cn

جهة الاتصال في منصة العرض: جيسيك

خضّر Zhejiang Huayuan Pigment Co Ltd معرض MECS 2018 لطرح أشهر منتجاتها. بالإضافة إلى منتجات صبغة

بالمشاركة مع IST Italia Sistemi Tecnologici SpA.

## K4

### Wacker Chemie AG

Hanns-Seidel-Platz 4

Munich 81737

ألمانيا

هاتف: +49 89 6279 1644

فاكس: +49 89 6279 2410

البريد الإلكتروني: dagmar.heisler@wacker.com

موقع الويب: www.wacker.com

جهة الاتصال في منصة العرض: داجمر هيسلر

تعد Wacker كيميائية نشطة عالميًا لديها حوالي 13,450 موظف وحققت مبيعات سنوية بحوالي 4.6 مليار يورو (2016). بدون (Siltronic). كما أن لدى Wacker شبكة عالمية من 23 موقع تصنيع، و 18 مكتب كفاءة تقنية و 48 مكتب مبيعات.

## F18

### WeiKem Chemical Co Ltd

No 35 Dingxing Road

Yangzhou, Jiangsu 225004

جمهورية الصين الشعبية

هاتف: +86 514 8581 5967

البريد الإلكتروني: richard@weikem.com

موقع الويب: www.weikem.com

جهة الاتصال في منصة العرض: ريتشارد ليان

تعد WeiKem Chemical Co Ltd مصنعًا محترفًا لإيثير السيليكون. تأسست ال عام 2002 ولديها الآن قدرة إنتاج 15,000 طن/العام. وتشمل المنتجات WeKcelo HEC و EHEC و HPMC و MHEC وغيره. وتتفق عملية الإنتاج لديها مع المعيار ISO9001:2008. ويتمثل هدفنا الرئيسي في "أن نكون أفضل مورد لإيثير السيليكون يعمل على إرضاء العملاء".

## Q4A

### Wuhan Shine Technology Co Ltd

Room 2601, Building 2, Duhuixuan

Square, 7th, No Jiangnan Road

Jiangnan District, Wuhan 430000

جمهورية الصين الشعبية

هاتف: +86 27 8277 0893

محمول: +86 135 5407 9956

موقع الويب: www.shinechems.com

جهة الاتصال في منصة العرض: الأناثة كوكو

تتمتع Wuhan Shine Technology Co Ltd بخبرة تزيد عن 10 سنوات. وهي مؤسسة شاملة تخصص في تصنيع عوامل التفتيح البصرية والصبغات.

## M6

### X-Rite Europe GmbH

Altthardstrasse 70 8105

Regensdorf

سويسرا

هاتف: +39 05 7452 7755

البريد الإلكتروني: sviscomi@xrite.com

موقع الويب: www.xrite.com

جهة الاتصال في منصة العرض: السيد سيمون

فيسكومبي

تعد X-Rite من الرواد العالميين في علوم وتكنولوجيا الألوان. وتطور المؤسسة، والتي تشمل الآن Pantone Inc رائدة الألوان في صناعة التصميم، وتنتج وتسوق

جهة الاتصال في منصة العرض: جوتام داند تعد Vibfast Pigments منتجًا رائدًا ومصدرًا لمركبات فاسالوسيانين. ومركب أزرق التقليدي وصبغات الأزرق البحري عالية الأداء، ومشتتات الصبغات وألوان الفلوروسينيت الخاصة بصناعات أحبار الطباعة والدهانات والطلاءات واللبلاستيك والمنسوجات والمطاط والمنظفات والغسيل. وتصدر صبغاتها إلى أكثر من 75 دولة.

## F5

### Vibro-Mac Srl

Via Primo Maggio, 2/4

San Zenone al Lambro, Milano 20070

إيطاليا

هاتف: +39 02 9826 4390

فاكس: +39 02 9826 4392

البريد الإلكتروني: n.zelada@vibromac.it

موقع الويب: www.vibromac.it

جهة الاتصال في منصة العرض: السيد ماركو

جيروسا

تأسست Vibro-Mac عام 1968 ومنذ ذلك الحين تخصص في تخطيط آلات العمليات وتصميمها وتصنيعها. وبالإضافة إلى الآلات الفردية فهي تتعامل مع إنتاج مصانع كاملة "جاهزة" لتصنيع المنتجات في الصناعات التالية: الدهانات والورنيش والأحبار والمعجون وموانع التسريب والمنتجات الزراعية الكيميائية.

## E4

### Vinavil Egypt for Chemicals

66 شارع كورنيش النيل، المعادي، القاهرة

هاتف: +20 10 2601 2121

فاكس: +20 2 2528 7035

البريد الإلكتروني: gihan.boraie@vinavil.eg

موقع الويب: www.vinavil.com

جهة الاتصال في منصة العرض: جيهان برعي

تمثل فينافيل مصر بتكنولوجيا عالية تركز على العمل المحلي وتسعى لتوسيع مجموعة منتجاتها لتشمل مستحلبات سترين أكرليك. وهذا من خلال إنشاء مصنعها الجديد في السويس بمساحة 6000 متر مربع وقدرة إنتاج 25,000 طن/العام ومن الخطط بدء تشغيله في منتصف 2018.

## G5

### Visen

## F1

### VMA-Getzmann GmbH

Euelerhammerstr 3

Reichshof 51580

ألمانيا

هاتف: +49 (0) 229 6803 0

فاكس: +49 (0) 2296 803 33

البريد الإلكتروني: info@vma-getzmann.de

موقع الويب: www.vma-getzmann.de

جهة الاتصال في منصة العرض: آدم سنكتا

تعد VMA-Getzmann GmbH مصنعًا رائدًا لأنظمة التشطيب البنيكية عالية الجودة.

ويتسم النطاق التكنولوجي لآلة الإذابة Dispermat ومطاحن الحز المستعملة في المعامل والمصانع الرائدة والإنتاج بالرمونة بسبب التصميم المعيارى. علاوة على ذلك، تقدم آلة Torusmill الحاصلة على براءة اختراع توليفة من آلة إذابة ومطحنة حرز في ماكينة واحدة. تتواجد هذه ال



## R12

### Tawazon

مبنى الخليج، 301، طريق زعبل، الكرامة، دبي 52161  
الإمارات العربية المتحدة  
هاتف: +971 04 336 8230

البريد الإلكتروني: anu.soman@tawazon.ae

موقع الويب: www.tawazon.com

#### جهة الاتصال في منصة العرض: أنو بيلاي

خدمة تركز على الصناعة لتوريد مجموعة شاملة من المواد الخام إلى صناعات الدهانات/الأحبار وكيماويات البناء والتغليف والألياف الزجاجية والبلاستيك والمطاط والبوليوريثان. ويتم توريد المنتجات الفردية أو العبوات المجمعة مباشرة من بلد المنشأ أو من مستودعاتنا في دبي وجبل علي والرياض وجدة ونبروي.

## M2

### Tianjin Icason

## F16

### Tianjin Zhongxin Chemtech Co Ltd

Unit 10B, Pan China International Center  
No 931 YingKou Road, TangGu  
Tianjin 300451

جمهورية الصين الشعبية

هاتف: +86 22 8988 0739-8019

فاكس: +86 22 6688 0086

البريد الإلكتروني: sales@tjzxchem.com

موقع الويب: www.tjzxchem.com

تعد ZX Chemtech مورداً رائداً للمواد الخام للدهانات والأحبار والمواد المساعدة والإضافات الخاصة لأنظمة الطلاء بالرش للبولي يوريا / RIM PUR. وبادئات صور UV والتي تعد صاحبة جودة من الدرجة الأولى في الصين لتلك الصناعات. حيث تستخدم في التحكم في العملية التقنية وتسهيلها وتقليل تكاليف التشغيل.

## J10

### Tinting Systems Company

صندوق بريد: 3250، المنطقة الصناعية القديمة  
خميس مشيط، عسير 61961

المملكة العربية السعودية

هاتف: +966 1723 88000

فاكس: +966 1723 82561

البريد الإلكتروني: mshabbir@tsccolor.com

موقع الويب: www.tsccolor.com

#### جهة الاتصال في منصة العرض:

السيد محمد شابيير حسين

تقدم Tinting Systems Company مجموعة كبيرة من الملونات العامة والمائية للدهانات المعمارية الداخلية والخارجية في سوق نقاط البيع وداخل المصنع، وتشمل الأسماء التجارية Unicolor و Unifil و Aquatint و Indutint و Novacade.

## C6A

### Vibfast Pigments

C-1,91/6, GIDC, Behind Bank of India  
Phase - I, Vatwa, Ahmedabad  
Gujarat 382445

الهند

هاتف: +91 90 9994 8515

البريد الإلكتروني: int.mkt@vibfast.com

موقع الويب: www.vibfast.com

والرطوبة المستعملة في الوقت الفعلي بدقة النانومتر حتى مستويات السماكة التي تبلغ جزء من المليون في معامل مراقبة الجودة أو مباشرة في العملية للمساعدة في تقليل التكاليف وتحسين التحكم في العملية وتحسين جودة المنتج المطلي.

## M6

### Synres BV

Slachthuisweg 30

Xn Hoek Van Holland 3151

هولندا

هاتف: +31 65 322 7290

البريد الإلكتروني: bart.immerzeel@synres.com

موقع الويب: www.synres.com

#### جهة الاتصال في منصة العرض: السيد بيتر فان آس

تعمل Synres BV على إنتاج الراتنجات من أكثر من 65 عاملاً، والمنتجات هي جميعاً راتنجات ألكيد وأكريلك معتمدة على منيب للصناعات التالية: طلاءات الديكور، الطلاءات المعدنية (شبه)-الصناعية، طلاءات الحماية والطلاءات البحرية، طلاءات الأخشاب وتنشيطات السيارات. تشترك هذه ال في العرض مع الشهاب الذهبي للتجارة الفنية ذ.م.

## J16

### Synthomer

مكتب Synthomer E201 المبني الشرقي

المنطقة الحرة بمطار دبي، دبي 54645

الإمارات العربية المتحدة

هاتف: +971 505 325074

البريد الإلكتروني: zaid.usmani@synthomer.com

موقع الويب: www.synthomer.com

#### جهة الاتصال في منصة العرض: زايد عثمانى

تعد Synthomer واحدة من الشركات الرائدة في العالم في تصنيع البوليمرات الخاصة المائية. حيث تقدم مجموعة كبيرة من المواد الكيميائية للدهانات وصناعات الإنشاءات، يشمل ذلك الأكريليك والبوليمرات المشتركة لاسيتات الفينيل ومطاط سترين بوتادين والبوليكلووروبرين والمسحوق القابل لإعادة النشر. تعمل Synthomer من 26 موقع إنتاج حول العالم يشمل ذلك الدمام ودبي.

## A4

### Tara Chem

## P3A

### Tasnee (National Industrialization Company)

صندوق بريد 35579

مدينة الجبيل الصناعية 31961

المملكة العربية السعودية

هاتف: +966 (50) 432 8900

+966 (13) 359 9477

البريد الإلكتروني: hat.alshammari@tasnee.com

موقع الويب: www.tasnee.com

#### جهة الاتصال في منصة العرض: السيد حاتم الشماري

تفخر تصنيع بكونها أول صناعة مشتركة مملوكة بالكامل للقطاع الخاص تأسست عام 1985.

تركز تصنيع على البتروكيماويات والتيتانيوم ووحدات الأعمال لمشروعات النفط الأولية وقد تمت لتصبح ثاني أكبر تصنيع سعودية وواحدة من أكبر المنتجين لـ TiO<sub>2</sub> في العالم.

هاتف: +49 92 7799410

البريد الإلكتروني: mittermeier@sigmund-lindner.com

موقع الويب: www.sigmund-lindner.com

#### جهة الاتصال في منصة العرض: السيد بول ميترميير

تعد Sigmund Lindner GmbH واحداً من المصنعين الرائدتين لجزر الزجاج والسيراميك المستخدم في عدة تطبيقات تقنية. خاصة الطحن. تشتهر Sigmund Lindner بإنتاج Siliglit ذو التأثير البراق. والذي يُستخدم على نطاق واسع في مستحضرات التجميل وتطبيقات الديكور في الدهانات وورق الحائط والورق والبلاستيك وغيره. تشترك هذه ال في العرض مع الشهاب الذهبي للتجارة الفنية ذ.م.

## G7

### Siliconi Commerciale SpA

Via Francia, 4

Gambellara, VI 36053

إيطاليا

هاتف: +39 0444 649766

البريد الإلكتروني: info@siliconi.it

موقع الويب: www.siliconi.it

#### جهة الاتصال في منصة العرض: السيد أندري كونترنو

تعد Siliconi كيموايات إيطالية تصنع مضادات الرغوة وعوامل الرغوة وإضافات الأسطح للدهانات والطلاءات ولقطاعات البناء.

## K12

### Silitex srl

Viale Industria, 34

Cologna Veneta, VR 37044

إيطاليا

هاتف: +39 04 4241 1561

فاكس: +39 04 4241 1562

البريد الإلكتروني: trade@silitex.it

موقع الويب: www.silitex.it

#### جهة الاتصال في منصة العرض: أندري بيانكي

تعد Silitex ديناميكية تأسست منذ 22 عاماً. وتتعلم خبرتها بتصنيع مضادات الرغوة والمستحلبات المميزة. والموجهة ليس فقط إلى عالم الدهانات ولكن إلى مجموعة متنوعة من التطبيقات الصناعية، أيضاً. تكمن قوتها في القدرة على تطوير منتجات مخصصة بسرعة وكفاءة والعمل تبعاً لمشروعات العميل.

## H8

### Solvochem FZCO

## Q8

### Solyman

## K11

### SpecMetrix Systems (Sensory Analytics)

The Sensory Building

West Market Street, Greensboro 4413

North Carolina 27407

أمريكا

هاتف: +1 33 6315 6090

البريد الإلكتروني: devon@specmetrix.com

موقع الويب: www.specmetrix.com

#### جهة الاتصال في منصة العرض: ديفون إديسون

تساعد أنظمة قياس سماكة الطلاء من SpecMetrix المصنعين العالميين في قياس سماكة الدهانات الجافة

نتوقع سوى الأفضل!

## M10

RAR Resin & Chemical Industries

## K10

REDA Chemicals

901 برج المنال، طريق الشيخ زايد  
دبي 15004

الإمارات العربية المتحدة

هاتف: 971 43 32 5100

فاكس: 971 43 32 5200

البريد الإلكتروني: management@redachem.com

موقع الويب: www.redachem.com

جهة الاتصال في منصة العرض: كريم صمادي

تمثل Reda Chemicals موزع كيمائيات رائد يوفر الحلول للمستخدمين في مجال الكيمائيات الصناعية والكيمائيات الخاصة في الشرق الأوسط والهند وأفريقيا وآسيا. وهي جزء من مجموعة REDA، التي تنتمي لمجموعة استثمارية كبيرة وخاصة.

## J24

Resitan Co

15th Floor, No 7, 7th Narenjestan  
After Farmanie Crossroad, Pasdaran Ave  
Tehran, 1957613958

إيران

هاتف: +98 21 2202 0521-5

فاكس: +98 21 2202 0486

البريد الإلكتروني: import-export@resitan.net

جهة الاتصال في منصة العرض: مهتاب فافيني

تأسست Resitan Co عام 1981 بقدر إنتاج سنوي تبلغ 75000 طن لأكثر من 130 نوع من الراتنجات الصناعية في إيران.

وتشمل المنتجات الرئيسية: راتنجات الفينول، وراتنجات البوليستر، والمواد الصلبة، والباكلايت وراتنجات البوليستر غير المشبعة وراتنجات فينيل إيستر وراتنجات الكيد وراتنجات الإيبوكسي إيسر وراتنجات الأكرليك (المعتمدة على مذيب، والمعتمدة على ماء) وراتنجات الإيبوكسي الصلبة، وراتنجات البوليستر الصلبة وراتنجات البوليستر المشبعة وراتنجات الأمينو (فورمالدهيد اليوريا وفورمالدهيد الملامين وبنزجوانامين).

## H7

RishiChem Mideast Ltd

## J12

Rivedil

Via Prov.le per Veglie Km 0.5  
Salice Salentino, Lecce 73015

إيطاليا

هاتف: +39 (0832) 731293

فاكس: +39 (0832) 731273

البريد الإلكتروني: natasciarivedil@rivedil.it

موقع الويب: www.rivedil.com

جهة الاتصال في منصة العرض: سعيد شرفاوي

تأسست Rivedil عام 1980 اعتماداً على خبرة مؤسسها كوسيموكودارو، وهو منتج عالمي لطلاءات ودهانات الديكور الخارجية والداخلية عالية الجودة والبلاستر والدهانات التقليدية. ويتم تصميم جميع المنتجات مثل بلاستر الديكور والتشطيبات والرقائق بواسطة Rivedil في إيطاليا. المقر الرئيسي التاريخي للـ

## E8

BV Safic-Alcan Necarbo

صندوق بريد 18620 منطقة جبل علي الحرة

دبي

الإمارات العربية المتحدة

هاتف: +971 40 889 5242

فاكس: +971 4 889 5782

البريد الإلكتروني: shaji.zaidi@safic-alcan.ae

موقع الويب: www.safic-alcan.nl

جهة الاتصال في منصة العرض: السيد شاجي زيادي

تعد Safic-Alcan Necarbo ال مصنعاً للمصنعة للنيوبريس (الراتنجات الصناعية)، والنيوبلاست (المشتتات)، والنيوبونيبس (خضيرات الصبغات)، والنيوبونت (معجون الألوان) وهي الموزع لمجموعة كبيرة من المنتجات لصناعة الدهانات وأحبار الطباعة والسجاد والإنشاءات واللاصقات والبلاستيك، وتتوافر مجموعة منتجاتها من المستودعات المحلية في دبي والمملكة العربية السعودية ومصر.

## N1

Sancora Paints Industries Sdn Bhd

Lot 8206, Kawasan Perusahaan  
Kamunting, Perak Darul Ridzuan 34600

ماليزيا

هاتف: +60 16 877 7717

فاكس: +60 5 891 2277

البريد الإلكتروني: dreenawong@sancora.com

موقع الويب: www.sancora.com

جهة الاتصال في منصة العرض: الأنسة درينا وڤ

لجحت SANCORA في تطوير دهانات بتأثير مميز باستخدام تكنولوجيا الرقائق. ومن خلال إدراك الطلب على حلول قابلة للتخصيص من السوق، فإن SANCORA تقدم الآن تقنية الرقائق الخاصة به مثل المواد شبه المشطبة إلى مصنعي وخالطي الدهانات - ما يتيح لهم المرونة في تطوير منتجات دهانات مميزة - مصممة خصيصاً لأجلك.

## L5A

Saudi Carbonate

## S11

SE Tylose GmbH & Co KG

Rheingastrasse, 190-196  
Wiesbaden 65203

ألمانيا

هاتف: +49 611 9626462

فاكس: +49 611 9629071

البريد الإلكتروني: mahmut.kiran@setylose.com

موقع الويب: www.setylose.com

جهة الاتصال في منصة العرض: السيد محمود كيران

تعد SE Tylose واحدة من أكبر الموردين في العالم لميثيل السليلوز (MC) وهيدروكسيل السليلوز (HEC)، وتوجد المصانع في ويسبادن، بألمانيا. وفي بلاكومين (لويزيانا)، الولايات المتحدة، وفي ناوتسو، اليابان. هي أكبر مورد لميثيل السليلوز (MC) وهيدروكسيل السليلوز (HEC). التطبيقات: الإنشاءات وصناعة الدهانات، البلمرة والسيراميك ومستحضرات التجميل. تشترك هذه ال في العرض مع الخواهر للكيماويات.

## K11A

Shandong Yiteng New Material Co Ltd

West of the 8th Road, Shiheng Town  
Feicheng City, Shandong 271600  
جمهورية الصين الشعبية

هاتف: +86 538336 6213

البريد الإلكتروني: tina@yitengchem.cn

موقع الويب: www.yitengchem.cn

جهة الاتصال في منصة العرض: تينا جو

تركز ال على تصنيع إيتير السليلوز مع إنتاج منتجات رئيسية مثل HPMC و HEC وإيتير النشا. وهي معتمدة بشهادة ISO9001 ومسجلة لدى REACH.

## L8

Shanghai Ceval Chemical Co Ltd

Room 1218-1219, North of Fortune 108  
No 1839, Qixin Road

Minhang District, Shanghai

جمهورية الصين الشعبية

هاتف: +86 186 1686 9266

فاكس: +86 21 5417 0838

البريد الإلكتروني: sales@ceval.com.cn

موقع الويب: www.ceval.com.cn

جهة الاتصال في منصة العرض: فرانك جو

تعد Ceval واحدة من المصنعين الرائدين لصبغات Azo & HPP: الأصفر الكرومي غير العضوي والموليبديت البرتنالي وصبغات أكسيد الحديد الشفافة في الصين. وفيما يلي أهم عشر منتجات لها: PY170 و PR122 و PY180 و PY62 و PY63 و PY83 و PY191 و PY34 و PR104 و PO64.

## N12A

Shepherd Color

4539 Dues Drive  
Cincinnati, Ohio 45246

أمريكا

هاتف: مدير مبيعات أوروبا والشرق الأوسط وأفريقيا

البريد الإلكتروني: tmestdag@shepherdcolor.com

موقع الويب: www.shepherdcolor.com

جهة الاتصال في منصة العرض: توم مستدج

تنتج Shepherd Color مجموعة كبيرة من صبغات الألوان غير العضوية المعقدة عالية الأداء. توفر هذه الصبغات ألوان مستقرة تدوم طويلاً لعدد من التطبيقات. وهي تتحمل الطقس بشكل مذهش وتقاوم الحرارة والمواد الكيميائية وغير قابلة للانكماش ويسهل فرداها. يسعدنا الاعتماد على Shepherd Color لتحقيق "البهجة في الحياة" مع المنتجات عالية الجودة وأحدث الابتكارات.

## C4

Sichuan Lizhuo Vanadium & Titanium Co Ltd

Vanadium & Titanium Industrial Park  
Panzhihua, Sichuan 617000

جمهورية الصين الشعبية

هاتف: +86 139 8004 8796

البريد الإلكتروني: lizhuotitanium@163.com

موقع الويب: www.lztio2.com

هي واحدة من أولى المؤسسات المعنية بإنتاج منتجات الفاناديوم والتيتانيوم. وقد اكتسبت منتجات TiO<sub>2</sub> عالية الجودة الخاصة بها، والمثلة في R-369 (للتطبيقات العامة)، و R-389 (للبلاتستيك) و R-399 (لحبر الطباعة) شهرة وسمعة طيبة في الأسواق المحلية والخارجية.

## M6

Sigmund Lindner GMBH

Oberwarmensteinacher Str 38  
D-95485 Warmensteinach  
ألمانيا

**موقع الويب:** www.dftio2.com

هي واحدة من أهم مصنعي TiO<sub>2</sub> ومصدري منتجات TiO<sub>2</sub> في الصين. وتشمل الدرجات الرئيسية لها: R-5566 (للدهانات والطلاءات)، و R-5567 (لورق الزينة)، و R-5568 (للبيلاستيك و masterbatch) و R-5569 (للدهانات والحبر) وهي تستخدم على نطاق واسع في أكثر من 40 دولة في العالم.

**N5**

**Petrochem**

**J20**

**Potters Europe**

Pontefract Road, Barnsley, S71 1EJ

المملكة المتحدة

**هاتف:** +44 1226 704516

**فاكس:** +44 1226 207615

**البريد الإلكتروني:** jean-philippe.curdy@pqcorp.com

**موقع الويب:** www.potters-europe.com

**جهة الاتصال في منصة العرض:** السيد جين فيليب

كردبي

من خلال 23 مصنعًا في أنحاء العالم، تعد Potters أكبر منتج للكرات الصغيرة الزجاجية المجوفة والمصمتة المستخدمة كحشوات وظيفية. وتستخدم هذه الإضافات المتوفرة بأحجام جزيئات عديدة ودرجات كثافة وممتانة متنوعة لتحسين الخواص الميكانيكية والانسحابية في تركيبات الترموبلاستيك والثيرموسيت. تمنح الكرات الجوفاء الخفيفة زيادة الحجم في حين تقليل الكثافة في نفس الوقت. تشترك هذه ال في العرض مع إنتش إيه كيه للصناعات الكيماوية ش.م.م.

**L10**

**Pritty Pearlescent Pigments**

Fumin Road, Suqian Economic 399

Development Zone, Suqian

Jiangsu 223800

جمهورية الصين الشعبية

**هاتف:** +86 155 0219 9403

**البريد الإلكتروني:** sophie.wang@prittypigments.com

**موقع الويب:** www.prittypigments.com

**جهة الاتصال في منصة العرض:** صوفي وان

تعمل Pritty على تطوير وتصنيع صبغات براقية بموجب نظام مراقبة الجودة ISO 9001:2000. كما تؤد صبغات ذهبية عالية النقاء ومتألقة للغاية مع ضمان الجودة والاتساق وتوافر التخزين.

**H5A**

**Rainbow General Trading**

صندوق بريد 2409، المنطقة الصناعية الجديدة شارع

الحسن بن الهيثم، عجمان

الإمارات العربية المتحدة

**هاتف:** +971 50 451 6962

**فاكس:** +971 6 740 7740

**البريد الإلكتروني:** rasheed.chughtai@rainbowchemical.ae

rainbowchemical.ae

**موقع الويب:** www.rainbowchemical.com

**جهة الاتصال في منصة العرض:** عبد الرشيد شوجاتي

تعد Rainbow General Trading واحدة من أقدم موردي

المواد الخام الكيماوية وأكثرهم موثوقية في صناعة

الدهانات. وهي ترتبط بشراكات مع أكبر الأسماء في

الصناعة لتقديم أفضل الخدمات إلى جانب الكيماويات من

طراز عالمي لتلبية احتياجات عملائها. في Rainbow، لا

**K20**

**Oliver y Batlle SA**

Ctra Mataró 39-47

Badalona, Barcelona 08911

أسبانيا

**هاتف:** +34 93 464 1010

**فاكس:** +34 93 464 3040

**البريد الإلكتروني:** o.b@oliverbatlle.com

**موقع الويب:** www.oliverbatlle.com

**جهة الاتصال في منصة العرض:** زافيير فيلانويفا

تعد Oliver+Batlle رائدة في إنتاج معدات تصنيع وتعبئة الدهانات والأحبار والورنيش واللاصقات وموانع التسريب.

سواء المائية أم المعتمدة على مذيب، بأي حجم، وتقدم O+B

حلولاً هندسية جاهزة ومخصصة لصناعات الدهانات

والصناعات المصاحبة.

**L5D**

**Omya UAE**

Omya UAE منطقة حرة، المنطقة الحرة بالبحرية II

منطقة بلوك 4K-06، الشارقة 49057

الإمارات العربية المتحدة

**هاتف:** +971 6 526 9415

**فاكس:** +971 6 526 9416

**البريد الإلكتروني:** ovidiu.novac@omya.com

**موقع الويب:** www.omya.com

**جهة الاتصال في منصة العرض:** دكتور أفيديو نوفاك

تعد Omya منتجًا عالميًا رائدًا للمعادن الصناعية المشتقة

من كربونات الكالسسيوم والدولوميت وموزعًا عالميًا

للمنتجات الكيماوية.

توفر ال حلول منتجات في صناعات، مثل الإنشاءات

والطباعة والكتابة والبوليمرات التقنية والتغليف

والأغذية والرعاية الشخصية والمنزلية والصيدلة والزراعة

والرعي والمياه والطاقة.

**K10**

**Optichem**

منطقة بلوك WWA143، صندوق بريد 261740

المنطقة الحرة بجبل علي، دبي 15004

الإمارات العربية المتحدة

**هاتف:** 971 883 9956

**فاكس:** 971 883 9957

**البريد الإلكتروني:** management@optichem.com

**موقع الويب:** www.optichem.com

**جهة الاتصال في منصة العرض:** نافيد واجاهات

تعمل Optichem على تطوير وتصنيع الكيماويات الدقيقة

وعالية الأداء لصناعات الدهانات والإنشاءات والسجاد

والكيماويات والمركبات والعديد من الصناعات الأخرى. وهي

تدير مصانع تتميز بالرونة والموقع الاستراتيجي في دبي

وجبل علي (الإمارات العربية المتحدة) وتيلاند للمساعدة

في ضمان التسليم السريع في أنحاء العالم والدعم المحلي

لخدمة احتياجاتك المتنامية. تشترك هذه ال في العرض مع

.Reda Chemicals

**A3**

**Panzhuhua Dongfang Titanium**

**Industry Co Ltd**

Yizhishan Vanadium & Titanium

Industrial Park, Miyi

Panzhuhua, Sichuan 617201

جمهورية الصين الشعبية

**هاتف:** +86 139 8090 9021

**البريد الإلكتروني:** trebien\_trebien@vip.163.com

**البرازيل**

**هاتف:** +55 119 7379 0837

**البريد الإلكتروني:** felipe.subtil@nitroquimica.com.br

**موقع الويب:** www.nitroquimica.com.br

**جهة الاتصال في منصة العرض:** فليپ سوبيتل

تعد Nitro Quimica منتجًا عالميًا رائدًا لنترات السليلوز

والمشتقات والتي تخدم العملاء في كافة أنحاء العالم.

وتتمتع ال بأكثر من 80 عامًا من الخبرة التقنية كما

تستثمر باطراد في تطوير الحلول الكيماوية التي

تبسط الحياة. وتشتهر ال عالميًا بسجلاتها المشرفة

فيما يتعلق بالسلامة التشغيلية كما تلتزم بمعايير

استدامة صارمة.

**S6**

**Nobel NC Co Ltd**

24 Rama 1 Road, Rongmuang

Pathumwan, Bangkok 10330

تايلاند

**هاتف:** +66 2613 8923

**فاكس:** +66 2216 3992

**البريد الإلكتروني:** pakorn.w@nitrocellulose.com

**موقع الويب:** www.nobelnc.com

**جهة الاتصال في منصة العرض:** السيد باكورن

ويراسوميت

تعد Nobel NC واحدة من أكبر المصنعين في العالم لمادة

النيتروسيليلوز المستخدم في صناعة الأحبار والدهانات.

يمنح الشكل الفريد الجيبي لمادة النيتروسيليلوز من Nobel

خصائص تدفق فائقة. فهو سهل المناولة وخلال من الغبار

فعليًا مع انخفاض نزوح المذيب أثناء النقل والتخزين.

تشترك هذه ال في العرض مع ABC Chemical Exports

.PVT Ltd

**F8A**

**Novasol China Limited**

Room 8101, No 29 Jianguo Zhong Road

Shanghai 200025

جمهورية الصين الشعبية

**هاتف:** +86 21 2281 8526

**البريد الإلكتروني:** eunice.ren@novasolchina.com

**موقع الويب:** www.novasolchemicals.com

**جهة الاتصال في منصة العرض:** إيونس رن

تعد Novasol موزعًا هامًا ومستقلًا للكيماويات في أوروبا

مع وجود شركات فرعية في أمريكا الشمالية وآسيا.

تعد Novasol China ال الفرعية الموجودة في شنغهاي

في الصين وتركز على تقديم خدمة عالية الجودة ومنتجات

عالية الجودة لجميع عملائها في أنحاء العالم.

**M6**

**OFRU Recycling GMBH & Co KG**

Marie-Curie-Str 1, 63755 Alzenau

ألمانيا

**هاتف:** +49 6023 504220

**البريد الإلكتروني:** info@ofru.com

**موقع الويب:** www.ofru.com

**جهة الاتصال في منصة العرض:** السيد فاريدي شاتوف

تعد OFRU مُصنِّعًا عالميًا رائدًا لماكينات إعادة تدوير المذيبات

عالية الإنتاجية (أنظمة استرداد المذيب) ومحطات إعادة

تدوير المذيبات لتقطير المذيبات الخطرة القابلة للاشتعال.

ويغطي برنامج الإنتاج الخاص بها أنظمة التقطير الحديث

و/أو محطات التقطير بالتفريغ للمنظفات القابلة

للاشتعال. تشترك هذه ال في العرض مع الشهاب الذهبي

للتجارة الفنية ذ.م.



لأبحاث وتطوير وإنتاج مسحوق ميكس المطحون رطباً ومسحوق صبغة لؤلؤية من سلسلة ميكس تيتانيوم في الصين منذ 2004. وهي أيضاً حاصلة على شهادة ISO 9001:2008 و ISO 14001:2004 ومسجلة مسبقاً لدى REACH منذ 2008.

## F12

### New Sino-French Polymer Materials Co Ltd

South Building 6\*, Business Center of Xintiandi, Xiacheng District, Hangzhou Zhejiang 310004

جمهورية الصين الشعبية

هاتف: +86 571 8809 3306

فاكس: +86 571 8809 2284

البريد الإلكتروني: glb@dfc-cn.com

موقع الويب: www.dfc-cn.com

جهة الاتصال في منصة العرض: الأتيسة زويوزي

New Sino-French (Zhejiang Sino-French) تعد

أكبر منتج من الدرجة الأولى لراتنج البوليستر المشبع

ومساحيق الدهانات في الصين بقدرة إنتاج 90000

كجم/سنة لراتنج البوليستر و5000 كجم/سنة

لمساحيق الدهانات.

## J4

### Nigtas Ltd STI

Lhanli Mahallesi Mozaikciler Kume Km

Evleri Nigtas A. Blok No 1 /G/1 Merkez

Nigde 51100

تركيا

هاتف: +90 38 8214 1500

البريد الإلكتروني: export.af@nigtas.com

موقع الويب: www.nigtasmikronize.com

جهة الاتصال في منصة العرض: هالكان أوزديمير

تقع (Nig Tas Anonim Sirketi (Nig Tas Corporation في

مدينة نيجد في وسط شرق تركيا وهي المنطقة التي يوجد

بها كربونات الكالسيوم، CaCO3 الأكثر بياضاً ونقاءً. تمثل

ال مصنع كربونات الكالسيوم الرائد والمورد الرئيسي للجير

في تركيا.

## S6

### Nitro Chemical Industry Ltd

Rama I Road Rongmuang 24

Pathumwan, Bangkok 10330

تايلاند

هاتف: +66 2 214 5275

فاكس: +66 2 215 9282

البريد الإلكتروني: pakorn.w@nitrocellulose.com

موقع الويب: www.nitrochemical.com

جهة الاتصال في منصة العرض: السيد باكورن

ويراسومبوت

تقدم Nitrochemical Industry Ltd للعملاء

النيتروسيليلوز بأفضل جودة للاستخدام في ورنيش لأكية

الأخشاب والورق والدهانات وأحبار الطباعة ولأكية الطائرات

ولأكية الحماية وطلاء رقائق الألومنيوم وغيره. تورت Nitro

Chemical Industry نوعين من النيتروسيليلوز بدرجة 'SS'

و'RS' بمستويات لزوجة مختلفة عند استعمالها. وتنتشر

هذه ال في العرض مع ABC Chemical Exports PVT Ltd.

## Q16

### Nitro Quimica

Av Dr Artur Nova, 951

São Paulo, SP 08090-000

والسيراميك: تغذية الحيوانات.

## L14

### Mirodur SpA

Via Delle Scienze 3

Rome 04011

إيطاليا

هاتف: +39 0692 81746

فاكس: +39 0692 80644

البريد الإلكتروني: massimo.vitelli@mirodur.com

موقع الويب: www.turbomill.com

جهة الاتصال في منصة العرض: ماسيمو فيتيلي

تعد Mirodur ال المنتجة لطاحونة Turbomill وهي ألج

طاحونة في العالم، لما تتميز به من قصر أوقات الطحن

وسهولة تنظيفها وتغيير اللون باستخدام القليل من

المياه والمنظفات.

علاوة على ذلك، تنتج Mirodur دهانات صناعية مضادة

للنائل منذ 60 عامًا. ويتم عرضها جميع في منصة

العرض الخاصة بال.

## G6

### MPC Prokim

شارع الحميدة - المنطقة الصناعية في المغيرة Bp 175

فوشانة، بن عروس 2082

تونس

هاتف: +216 79 408 222

فاكس: +216 79 408 144

البريد الإلكتروني: contact@mpc-prokim.com

موقع الويب: www.mpcprokim.com

جهة الاتصال في منصة العرض: خليل بورجا

تعد م ب س بروكيم واحدة من الشركات التونسية

التي تعمل في مجال تصنيع راتنجات الألكيد وراتنجات

البوليستر والمستحلبات المائية لصناعات الدهانات

واللاصقات والمواد المركبة.

وقد أصبحت ال التي تمل مكانة ريادية في السوق

التونسي، من الشركات الرائدة والمؤثرة إقليميًا في أفريقيا.

## Q4

### Nanjing Jinshan Chemical Technology Co Ltd

No 126 Tianyuan Middle Road, Nanjing

جمهورية الصين الشعبية

هاتف: +86 25 8718 0768

محمول: +86 159 5186 2997

البريد الإلكتروني: kw@jinschem.com

موقع الويب: www.jinschem.com

جهة الاتصال في منصة العرض: السيد كيفين وانج

تعد Nanjing Jinshan Chemical Technology Co Ltd

موردًا احترافيًا ومتطورًا للنيتروسيليلوز وإثيرات السيليلوز

والراتنجات الهيدروكربونية وشمي الأورجانو وغيره.

## N7

### Nanyang Lingbao Pearl Pigment Co Ltd

Lihe Ecosystem Industry Park Wancheng

District, Nanyang City

Henan Province 473000

جمهورية الصين الشعبية

هاتف: +86 0 377 6608 2663

البريد الإلكتروني: lbtwo@chinalingbao.com

موقع الويب: www.chinalingbao.com

جهة الاتصال في منصة العرض: السيد لي كواند

تمثل Nanyang Lingbao Pearl Pigment Co Ltd مصنعًا

للكيماويات الدقيقة عالية الجودة، وهو عبارة عن مجمع

توفر Lonza مبيدات حيوية متخصصة وإضافات كيميائية، والتي توفر حلول عالية الأداء لعملاء الدهانات والطلاء. ويتم دعم منتجاتها الكيميائية المتخصصة وتقنياتها بخدمات تقنية وتنظيمية رائعة، ما يمنحك ويمنح عملاءك ثقة حقيقية في مجموعة كبيرة من التطبيقات الصناعية. تشترك هذه ال في العرض مع الخواهر للكيماويات.

## J18

### Lukem D.o.o.

Tiranova 38

Ljubljana 1000

سلوفينيا

هاتف: +386 1244 3299

البريد الإلكتروني: luka@lukem.si

موقع الويب: www.lukem.si

جهة الاتصال في منصة العرض: لوكا نرسيلج

تعد Lukem d.o.o. التي نشأت في سلوفينيا عام 1995

واحدة من الشركات المتخصصة في تجارة المواد الخام

والكيماويات، التي تُستخدم في الدهانات والمنظفات

ومستحضرات التجميل والصناعات الغذائية، وإلى

جانب التجارة فهي توفر خدمة لوجيستية كاملة لتلبية

احتياجات عملائها.

## H9

### Mallak Specialties Pvt Ltd

Unit 320, Mahavir Industrial Estate Plot

Off Mahakali Caves Road, Andheri , 32

East Mumbai, Maharashtra 400093

الهند

هاتف: +91 22 2687 5062

فاكس: +91 22 2687 3796

البريد الإلكتروني: em.1@mallakindia.com

موقع الويب: www.mallakindia.com

جهة الاتصال في منصة العرض: مانجالالا

تتميز Mallak، وهي ناشئة هندية انطلقت منذ 18

عامًا، ويوجد مصنعها في MIDC ماهاد، على بعد 165

كم جنوب مومباي. تتميز ببنيتها التحتية الممتازة في

المصنع، حيث تنتج الصبغات (فثالوسيانين، وHPP، وAZO،

والصبغات البنفسجية)، ومشتقات EO/PO والغذيات

الدقيقة والمواد الخاصة الوسيطة. تقوم Mallak من خلال

تصريح التصدير مباشرة إلى البحر بالتصدير إلى 50

دولة. خاصة منتجاتها القوية مثل EC - بقدرة 150.000

طن/العام و2.7MLD.

## Q7

### Manaseer Carbonate

8 طريق الملك عبد الله الدائري الثاني شارع

141414. 11814 عمان

الأردن

هاتف: +962 79 7271821

فاكس: +962 65 833890

البريد الإلكتروني: m.armouti@mgc-carb.com

t.hassan@mgc-carb.com

موقع الويب: www.mgc-carb.com

جهة الاتصال في منصة العرض: محمد الأرموطي طارق

الحسن

تنتج المناصير MCM Carb كربونات الكالسيوم البيضاء

المناسبة على وجه الخصوص كحشو لمجموعة متنوعة من

التطبيقات، وتتميز بانخفاض محتوى السيليكا والتحكم

في الحجم.

تشمل التطبيقات: الدهانات والطلاء؛ البلاستيك

والطلاء؛ البلاستر والحشوات المشتركة؛ الزجاج

## G18

### Kolorjet Chemicals Pvt Ltd

Rajratna Industrial Estate, Liberty ,5  
Garden Road, Malad West  
Mumbai, Maharashtra 400064

الهند

هاتف: +91 22 2882 6803

فاكس: +91 22 2880 5268

البريد الإلكتروني: sales@kolorjetchemicals.com

موقع الويب: www.kolorjetchemicals.com

جهة الاتصال في منصة العرض: ميتول مهتا

تعد Kolorjet Chemicals المصنّع والمصدّر لصبغات الأحبار وتطبيقات الدهانات والطلاءات والبلاستيك والمنسوجات . ومن منتجاتها القوية: مادة CPC. ومادة CPC المنشط: والصبغة الزرقاء 15:2 و 15:3 و 15:4 والصبغة الخضراء 7. والصبغة البنفسجية 3، 23، و 27. والصبغة الحمراء 122، و 53:1 و 57:1 والكروم الليموني والكروم المتوسط والكروم القرمزي.

## C6B

### Lexcel-Chem Limited

Mobalaji Bank-Anthony Way ,1  
Opp. Ikeja Post Office, Ikeja, Lagos  
Nigeria

هاتف: +234 81 1555 8397

+234 80 3579 5287

موقع الويب: www.lexcelchem.com

البريد الإلكتروني: info@lexcelchem.com

يتمحور العمل الرئيسي ل Lexcel-Chem حول توريد الكيماويات والمنتجات المصاحبة.

يوجد لدى ال منشأة تخزين معتمدة من NAFDAC وتقوم حاليًا بتخزين المواد الخام للدهانات. تعد Lexcel-Chem Limited تابعة ل Eurochem International FZE وهي مؤسسة متوافقة مع ISO منذ 2005 وقد نشأت منذ عام 1997. وتواجد ال بالمشاركة مع Eurochem International FZE.

## L18

### Lomon Billions

Lomon Billions Global HQ, Zhongzhan  
District, Jiaozuo City  
Henan Province 454191

جمهورية الصين الشعبية

هاتف: +44 1642 692750

البريد الإلكتروني: juliereid@lomonbillions.com

موقع الويب: www.lomonbillions.com

جهة الاتصال في منصة العرض: جولي ريد

تعد Lomon Billions جهة تصنيع عريقة لصبغات TiO<sub>2</sub> العالية الديناميكية. وهي تصنع صبغات TiO<sub>2</sub> عالية الجودة باستخدام معالجة الكلوريد والكبريتيد. وتشتهر العلامة التجارية لصبغات LOMON® و BILLIONS® الدائمة الخاصة بها في أنحاء العالم. وتحتل المرتبة الرابعة عالمية والأولى في آسيا من حيث قدرة إنتاج صبغة TiO<sub>2</sub>.

## S11

### Lonza

Muenchensteinerstrasse 38  
Basel 4002  
سويسرا

هاتف: +971 50 307 3339

البريد الإلكتروني: materialsprotection@lonza.com

موقع الويب: www.lonza.com

جهة الاتصال في منصة العرض: محمد إسرار

jordancarbonate.com

موقع الويب: www.jordancarbonate.com

جهة الاتصال في منصة العرض: فيراس الغسني

تعد الكربونات الأردنية التي تأسست عام 1979، واحدة من المنتجين والمصدرين الهامين لكربونات الكالسيوم بدرجات مختلفة وبشكله الطبيعي والمعالج حيث حقق قدرة إنتاج تبلغ 400 ألف طن/العام. وتقوم بالتصدير إلى 30 دولة حول العالم ولها خمس شركات تابعة في المنطقة كما عقدت شراكة مع Omya International منذ 2004.

## H22

### Jyoti Ceramic Industries Pvt Ltd

Plot No C-21, NICE, Satpur  
Nashik, Maharashtra 422007

الهند

هاتف: +91 253 235 0120

فاكس: +91 253 235 0023

البريد الإلكتروني: info@jyoticeramic.com

موقع الويب: www.jyoticeramic.com

جهة الاتصال في منصة العرض: السيد راجو ميرياني

Jyoti Ceramic Industries هي يبلغ عمرها 47 عامًا متخصصة في تصنيع منتجات السيراميك التقني المتقدمة. ولديها منشآت تصنيع سيراميك من طراز عالمي مقترنة بعمل للبحث والتطوير وقاعة أدوات. وتصدر 65% من إنتاجها إلى 55 دولة في أنحاء العالم. وتعد Zirconox و Alumina Coat و Steatite و Zircosil والعلامات التجارية المسجلة لها.

## M6

### Ketan Europa SL

Ctra Mollet a Sabadell Km 4  
PI Can Vinyals – Nave 20 3  
Santa Perpètua de Mogoda 08130

أسبانيا

هاتف: +34 93 713 4399

البريد الإلكتروني: andres@ketaneuropa.com

موقع الويب: www.ketaneuropa.com

جهة الاتصال في منصة العرض: السيد أندريز مونوز  
تعد Ketan Europa SL من الشركات العالمية المتخصصة في حلول ملصقات التسمية التلقائية. وبخبرة تزيد عن 15 عامًا في الصناعة . يتوافر فنيو الخدمة التابعون لها أصحاب المهارة العالية والتدريب المتقدم. والذين يعدون الأفضل في مجال عملهم. لتوفير حلول سريعة لمتطلبات الملصقات الخاصة بك. وتشترك هذه ال في العرض مع الشهاب الذهبي للتجارة الفنية ذ.م.م.

## H23

### Kingstone Chemical China Co Ltd

Room 710, No 101, Nanmatou Road  
Pudong, Shanghai

جمهورية الصين الشعبية

هاتف: +86 21 6182 0872

محمول: +86 138 1781 0463

البريد الإلكتروني: export@kingstonechemical.com

موقع الويب: www.kingstonechemical.com

جهة الاتصال في منصة العرض: ليو هونغجيا

تعتبر Kingstone Chemical China مورداً رائداً لإيثير السليولوز (HPMC)، ومسحوق البوليمر القابل لإعادة التشييت (RDP) وإيثير نشا هيدروكسيلبوليول (HPS) للالصقات البلاط ومعجون الطلاء وملاط المزيج الجاف المعتمد على الأسمنت والجبس، ومستحلب الدهان وغيره.

## L7

### Jana - Jubail Chemical Industries Company

صندوق بريد 10661، مدينة جبيل الصناعية  
جبيل - المنطقة الشرقية 31961

المملكة العربية السعودية

هاتف: +966 13 347 8888

فاكس: +966 13 347 8666

البريد الإلكتروني: csr@nama.com.sa

موقع الويب: www.jana-ksa.net

جهة الاتصال في منصة العرض: برين فريز كابانسانج

تقع جنا - الجبيل للصناعات الكيماوية في المنطقة الصناعية بالجبيل. في المملكة العربية السعودية وهي تابعة ل بناء للكيماويات وتنتج مجموعة متنوعة راتنجات الإيبوكسي - على هيئة سائل ومحلول وأشكال صلبة لمجموعة متنوعة من التطبيقات.

تسوق جنا إنتاجها من راتنجات الإيبوكسي تحت اسمين جاريين - Araldite® و Razeen®. ظهرت علامة Araldite التجارية منذ أكثر من 50 عامًا وتتمتع بشهرة جيدة في أنحاء العالم. وتستخدم بموجب ترخيص من Huntsman. طورت جنا أيضًا الاسم التجاري لها. Razeen حيث تقوم من خلاله ببيع راتنجات الإيبوكسي. تم طرح Razeen وإطلاقه عام 2004. والذي لاقى قبول معظم العملاء.

وحاليًا. تحت الاسم التجاري Razeen. فإن جميع المنتجات المصنعة تعد منتجات شبيهة بالمنتجات التي تحمل علامة Araldite التجارية المرخصة والمشتراة لصالح جنا. تنتج جنا وتسوق راتنجات الإيبوكسي عالية الجودة وفقًا للمعايير الدقيقة التي يعتمد عليها العديد من الشركات الرائدة هذه الأيام في صناعات الدهانات والراتنجات والمركبات والإنشاءات المدنية في كافة أنحاء العالم.

## Q5

### Jesons

## R1

### Jiftex Polymers

صندوق بريد 31388 جدة 21497 المملكة العربية السعودية. منطقة جدة الصناعية 1 المرحلة 4 شارع 121 و 70. جدة 21497

المملكة العربية السعودية

هاتف: +966 54 101 0078

فاكس: +966 12 637 1747

البريد الإلكتروني: ayman@asiig.com

موقع الويب: www.asiig.com

جهة الاتصال في منصة العرض: المهندس أمين كاراجي

تعد Jiftex Polymers، التي تأسست في 2003، واحدة من الرواد في تصنيع مستحلب بوليمر مائي في المملكة العربية السعودية بقدرة إنتاج 60000 طن/العام. وتخدم صناعات الدهانات وكيماويات البناء والمنسوجات والسجاد واللاصقات.

المنتجات: بوليمر هومو. البوليمر المتعدد. بوليمر تير. مستحلبات سترين أكليريك. أكليريك نقي ولاتكس السجاد.

## L5C

### Jordan Carbonate Company

صندوق بريد 1059، 15 شارع عبد الوهاب المجالي. شمساني

عمان 11118

الأردن

هاتف: +96 2 566 5517

فاكس: +96 2 566 4668

البريد الإلكتروني: firas.ghusseini@

البريد الإلكتروني: zhufengqin@chinatio2.com

موقع الويب: www.chinatio2.com

جهة الاتصال في منصة العرض: إميل زو

هي تكنولوجيا ثاني أكسيد التيتانيوم (TiO<sub>2</sub>) الصينية الرائدة بسلسلة إنتاج شاملة (روتيل+ أناتاس) وعملية اختبار استعمال شاملة.

## F1

IST Italia Sistemi Tecnologica SpA

Via S Anna 590, Modena 41122

إيطاليا

هاتف: +39 05 931 4305

البريد الإلكتروني: sales@ist.it

موقع الويب: www.ist.it

جهة الاتصال في منصة العرض: ماسيميلاني

منجاسي

تمتلك IST التي تأسست عام 1978 الآن واحدًا من أكبر نطاقات المنتجات في السوق:

حاويات جميع نفايات المذيبات ونفايات المياه، وأنظمة التقطير الدورانية المستمرة المتكاملة مع عمليات الإنتاج؛ ووحدات الغسل المعتمدة على المذيبات والمياه؛ ووحدات الغسل بالموجات فوق الصوتية لقطع الغيار وأسطوانات/ جليات الأنيلوكس.

## S11

Italtinto Equipments PVT Ltd

Bldg No S5/2422, Vrundavan Complex

Sonale Village, Off. Mumbai Nashik

Highway, Taluka Bhiwandi, Dist – Thane

Bhiwandi 421302

الهند

هاتف: +91 25 2228 2025

فاكس: +91 97 6980 5724

البريد الإلكتروني: shelron.jordan@italtinto.com

موقع الويب: www.italtinto.com

جهة الاتصال في منصة العرض: شيلرون جوردن

تعد Italtinto واحدة من الشركات الرائدة في العالم في تصنيع ماكينات التلوين والتشطيب وتعمل من أربع قارات. في Italtinto تنفهم الاحتياجات الخاصة للعملاء والمشاكل التي يواجهونها في استخدامهم اليومي لأنظمة التلوين. تعمل ال حاليًا من إيطاليا (ميلان)، والهند (مومباي)، والولايات المتحدة (نارلوت) والبرازيل. تشترك هذه ال في العرض مع الخواهر للكيماويات.

## Q10

J Colors SpA

Via Settembrini, 39

Lainate (Milano) 20020

إيطاليا

هاتف: +39 0293 7541

البريد الإلكتروني: export@jcolors.com

موقع الويب: www.jcolors.com

جهة الاتصال في منصة العرض: دكتور جي

أندري بوفيتو:

سيج ماسيموفاليني

تقدم JColors مجموعة كبيرة من الملونات الخالية من المركبات المتطايرة (VOC) وأنظمة التلوين للدهانات المنزلية. ويوفر نظام التلوين المعياري JSystem Evolution ملونات يتم التحكم فيها بواسطة الانسياب لمعدات التشطيب والتي تتميز بخواص ثبات ممتازة في الطقس السيء وقدرة على الإخفاء.

يعمل خط طلاء الزينة JColors Tattoo على جلب

تصاميم الطلاء بتأثير إيطالي في كل منزل.

San Jose, California 95112

أمريكا

هاتف: +33 6 70 98 72 80

البريد الإلكتروني: estelle.lagache@imerys.com

موقع الويب: www.imerys-filtration.com

جهة الاتصال في منصة العرض: إيسستلا جاشي

تطور Imerys للفلتر معادن مصممة عالية الأداء تُستخدم كإضافات وظيفية في تطبيقات الدهانات والطلاء والبلاستر. وأحدث الابتكارات المقدمة في معرض الشرق الأوسط للدهانات (MECS):

ClearMatTM للدهانات الشفافة للخشب

OptiMatTM لدهانات الزينة المطفية

PlastGardTM لمقاومة الشقوق والتقوُب في البلاستر

والدهانات الأوتلية.

تشترك هذه ال في العرض مع Imerys.

## F5

Immea Srl

Via Borsellino, 27

Rovato, Brescia 25038

إيطاليا

هاتف: +39 03 0772 1454

فاكس: +39 03 072 3895

البريد الإلكتروني: vaccarezza@immea.eu

موقع الويب: www.immea.eu

جهة الاتصال في منصة العرض: السيد كلاوديو

فاكاريزا

تتعامل Immea Srl مع إنتاج أنواع مختلفة من آلات توزيع الجرعات (الآلية أو شبه الآلية أو حسب الحجم أو حسب الوزن) ويمكنها تقديم أفضل الحلول لأي احتياج فيما يتعلق بتعبئة وتوزيع جرعات المنتجات السائلة والتعليق لجميع أنواع الحاويات الصلبة. يختلف الأشكال والأحجام. وتوجد هذه ال بالشاركة مع Vibro-Mac Srl.

## G8

Indian Chemical Industries

1F, Bhavani Chambers, Ashram Road

Nr Times Of India Office

Ahmedabad, Gujarat 380009

الهند

هاتف: +91 79 2658 7210

فاكس: +91 79 2658 1881

البريد الإلكتروني: timir.shah@icidyes.com

موقع الويب: www.icidyes.com

جهة الاتصال في منصة العرض: تيمير شاه

تعد ICI تصنيع رائدة لتحضيرات الصبغات والمسايق. تأسست منذ عام 1962.

تشمل منتجاتها: مشتت صيغة أوكتايفين للطلاء؛ ملون أوكتايفين العام لماكينات التلوين؛ ملون أكتايول المعتمد على البوليول لإسفننج PU؛ خضير صيغة أوكتايفين جبر فليكسو وجرافور؛ مادة إيكولاس العضوية. صيغة إنورجانيك للدهانات والطلاء وأحبار الطباعة والبلاستيك المطاط والمواد المرتبطة: أحبار هيدروفلكسو المعتمدة على الماء للفليكسو.

## M15

Inter-China Chemical Co Ltd

1st Floor, No C19 building, ZUSP

Dingmao New District, Jingshiwu Road

Zhenjiang, Jiangsu, 212009

جمهورية الصين الشعبية

هاتف: +86 511-8998 3592

محمول: +86 158 0610 2859

فيما يتعلق بتصميم الماكينات التي تعمل بشكل أفضل ولفترة طويلة لإنشاء حلول حقق النتائج. تشترك هذه ال في العرض مع الشهاب الذهبي للتجارة الفنية ذ.م.م.

## K6

Imerys

Imerys Par Moor Centre

St Austell, Cornwall PL24 2SQ

المملكة المتحدة

هاتف: +44 7703 887656

البريد الإلكتروني: georgia.lobb@imerys.com

موقع الويب: www.imerys-kaolin.com

جهة الاتصال في منصة العرض: جورجيا لوب

تقدم Imerys وهي رائد عالمي في الصناعات المتخصصة المعدنية. حلولاً وظيفية بقيمة مضافة عالية لمجموعة متنوعة من القطاعات. من صناعات المعالجة إلى البضائع الاستهلاكية ومنتجات البناء.

التق بالخبراء من Imerys للكاولين و Imerys للإضافات عالية الأداء و Imerys للفلتر واكتشف المجموعة الكبيرة من الحلول المعدنية للدهانات والأحبار والطلاءات.

## K6

Imerys للكاولين

Imerys Kaolin Par Moor Centre

St Austell, Cornwall PL24 2SQ

المملكة المتحدة

هاتف: +44 7881 847998

البريد الإلكتروني: ben.newman@imerys.com

موقع الويب: www.imerys-kaolin.com/europe-middle-east

جهة الاتصال في منصة العرض: بن نيومان

تعد Imerys للكاولين. منتجًا عالميًا رائدًا للكاولين. وتعرض في معرض الشرق الأوسط للدهانات (MECS): Polestar™ - المواد الباسطة لثاني أكسيد التيتانيوم عالية الأداء لدهانات الزينة المطفية

Opacilite™ - يقلل ثاني أكسيد التيتانيوم بمقدار 20%

OptiGloss™ - مادة باسطة عامة للدهانات شديدة

اللمعان Supreme™ - مادة باسطة ممتازة للإعتماد والسماكة تخص

دهانات الزينة

تشترك هذه ال في العرض مع Imerys.

## K6

Imerys للإضافات عالية الأداء

2 PI Edouard Bouillères BP 1162

Toulouse 31036

فرنسا

هاتف: +971 50 776 5610

البريد الإلكتروني: nabeel.ahmed@imerys.com

موقع الويب: www.imerystalac.com

جهة الاتصال في منصة العرض: نبيل أحمد

يعرض قسم Imerys للإضافات عالية الأداء ما يلي:

SteashieldTM10 - معدن التلك الجديد من رقائق فائقة

لدهانات إخفاء البقع:

NYAD® - ولاستونيت عالية الأداء للدهانات الصناعية

منخفضة المركبات المتطايرة:

Jetfine®1 - معدن التلك من رقائق فائقة الدقة بحجم

ميكرون للإخفاء الجاف المثالي MUTMM2/1. مادة ميكا

بدرجة ممتازة لحماية الحواجز في دهانات الزينة الخارجية.

تشترك هذه ال في العرض مع Imerys.

## K6

Imerys للفلتر

North First Street Suite 450 732



## F20

### Guangzhou Chemicals Import & Export Co Ltd

15th Fl, 691 Ren Min Road, North  
Guangzhou 510170

جمهورية الصين الشعبية

هاتف: +86 20 8108 6151

محمول: +86 137 6070 3161

البريد الإلكتروني: exp1@gzchem.com

موقع الويب: www.gzchem.com

### جهة الاتصال في منصة العرض: سو ينجكاي

تأسست شركة Guangzhou Chemicals (المعروفة في

السابق باسم: SINOCHEN Guangzhou)، وهي مملوكة

للدولة. عام 1976. ويبلغ رأس مال تسجيل ال 30 مليار

رغميني. وتبلغ قيمة التصدير والاستيراد الإجمالية

150 مليون دولار أمريكي وحجم المبيعات يزيد عن 1

مليار رغميني.

## J20

### H.A.K Industrial Chemicals LLC (a division of The Kanoo Group)

صندوق بريد 290، الطابق الأول، مبنى كانو، الشيخ

خليفة بن زايد، الكرامة

دبي 0000

الإمارات العربية المتحدة

هاتف: +971 4336 9700

فاكس: +971 4336 0924

البريد الإلكتروني: venkat.krish@kanoo.com

موقع الويب: www.hakdubai.com

### جهة الاتصال في منصة العرض: كريش فينكاتاسان

تعد إنش إيه كيه للكيماويات الصناعية موردًا رائدًا للمواد

الخام المخصصة لصناعات الدهانات والطلاء وأحبار

الطباعة وكيماويات البناء والرعاية الشخصية وكيماويات

التنظيف والصناعات المتعلقة في منطقة الخليج. يمكن

العثور على تفاصيل حول مجموعة المنتجات الكاملة

والشركات التي تعمل معها على موقع الويب الخاص بال

www.hakdubai.com

## J1

### Hanatek (Rhopoint Instruments)

Rhopoint House, Enviro 21 Park

Queensway Avenue South

St Leonards on Sea

East Sussex TN38 9AG

المملكة المتحدة

هاتف: +44 1424 739623

البريد الإلكتروني: dawn.mendez@rhpointinstruments.com

موقع الويب: www.hanatekinstruments.com

### جهة الاتصال في منصة العرض: داون ميندز

صممت مجموعة Hanatek من أجهزة اختبار الجودة لقياس

المواد المعبأة المرنة المطلية.

وتشمل المنتجات أجهزة لقياس الاحتكاك والسماكة

ومقاومة الكشط والتساق الجبر وأداء جعد الكرتون.

تشارك هذه ال في العرض مع Rhopoint Instruments Ltd.

## J32

### Hangzhou Dery Chemical Co Ltd

هاتف: +86 571 8781 7849

محمول: +86 138 8441 5810

البريد الإلكتروني: tony@dr-carbonblack.com

موقع الويب: www.dr-carbonblack.com

### جهة الاتصال في منصة العرض: Tony Liu

## M17

### Hangzhou Zealan Chemical Co Ltd

Room 1-704, Taigu Square, Xiaoshan

Hangzhou, Zhejiang 311200

جمهورية الصين الشعبية

هاتف: +86 571 2280 9109

البريد الإلكتروني: chris@zealan.cn

موقع الويب: www.zealan.cn

### جهة الاتصال في منصة العرض: Chris Chen

تعد Hangzhou Zealan من كبار مصنعي الأصباغ

العضوية المتخصصين في الصين. كما يوجد لديها مصنع

مشتتات الصبغات الخاصة بها وتغطي منتجاتها الدهانات

واللاكس والألياف المنسوجات والأحبار.

## M24

### Hebei Shield Excellence Technology Co Ltd

Xincheng Industrial Zone of

Yangfengang, Bazhou

Hebei Province 065700

جمهورية الصين الشعبية

هاتف: +86 316 755 5856

محمول: +86 182 2292 6106

البريد الإلكتروني: logistics@hbsshield.com

موقع الويب: www.hbsshield.com

### جهة الاتصال في منصة العرض: ياغ فان

يمكن ل Hebei Shield التي تعد واحدة من المصنعين

العالميين. توريد 60000 طن/سنويًا من حمض نيوديكانوات

(ShinaTM-10)، و60000 طن/سنويًا من فينيل نيوديكانوات

(ShivenaTM-10) و10000 طن/سنويًا من جليسيديل

نيوديكانوات (ShigenaTM-10p). وخواول تقليل المركبات

العضوية المتطابقة (VOC) في منتج العملاء التابعين لها.

## Q12

### Henan Botai Chemical Building Materials Co Ltd

No 18, East of Dongfeng Road

Zhengzhou, Henan 450000

جمهورية الصين الشعبية

هاتف: +86 185 3938 2008

فاكس: +86 371 5598 8202

البريد الإلكتروني: luiseliu@botaichem.net

موقع الويب: www.botaichem.net

### جهة الاتصال في منصة العرض: لويس ليو

تصنيع متخصصة في إنتاج مواد RDP و HPMC وفورمات

الكالسيوم

## F9

### HiWay

## Q9

### Horizon Chemicals

مكتب 712D، مكاتب بوابة ابن بطوطة الأولى بجبل

علي، دبي، 488195

الإمارات العربية المتحدة

هاتف: +971 4513 5182

فاكس: +971 4513 5217

البريد الإلكتروني: info@horizon-chemicals.com

موقع الويب: www.horizonchemicals.com

### جهة الاتصال في منصة العرض: أجابويس إيزاك

تعد Horizon Chemicals محور التوزيع ل البحارة

الشرقية القابضة وهي مجموعة من الشركات

الصناعية الرائدة التي تأسست عام 1977 في الكويت.

وأكبر منتج لمذيب الكحول الأبيض في منطقة

الخليج. وتتنخصص في تصنيع الكيماويات الصناعية

وكيماويات حقول البترول والكيماويات البحرية

والكيماويات الثقيلة.

## S3

### Horizon for Plastic Products Co

## Q14

### Hormoz Powder

## H1

### HUPC Chemical Co Ltd

Room 301, Building B2, No 206

Zhenhua Road, Hangzhou 310030

جمهورية الصين الشعبية

هاتف: +86 571 8990 5372

محمول: +86 136 6668 6036

البريد الإلكتروني: info@unionpigment.com

موقع الويب: www.unionpigment.com

### جهة الاتصال في منصة العرض: فيوليت تاو

تتخصص HUPC Chemical Co Ltd في توفير خدمات

إدارة سلسلة التوريد لقطاعات الأحبار والدهانات والطلاء

والصبغات من خلال خبرة تزيد عن عقدين من الزمان.

وهي تنتج بشكل رئيسي الصبغات في صورة مسحوق

أو مضغوطة.

## S1

### ICHEMAD Profarb

Chorzowska 117

Gliwice 44-100

بولندا

هاتف: +48 3 2270 4541

البريد الإلكتروني: sales@ichemad.com

موقع الويب: www.ichemad.com

### جهة الاتصال في منصة العرض: آدم بوريسلويسكي

تتمتع ICHEMAD-Profarb بخبرة تزيد عن 30 عامًا في

تطوير أنظمة الإنتاج الكاملة لصناعة الدهانات. وهي

تقوم بتصميم وبناء وجهاز محطات الإنتاج المعقدة

بالكامل. كما تعمل ICHEMAD على تشييد ماكينات

خاصة (الذبيات، والطاحونات، المشتتات والمزججات،

ومحطات التشييت). وتعمل بمثابة EPCM تصميم وشراء

وإنشاء وإدارة لمشروعات كبيرة في صناعة الدهانات حول

العالم. وبوصفها رائدة في الاتحاد الأوروبي في مجال الآلات

والمصانع الخاصة بالدهانات، فهي تحتفظ بأعلى معايير

الجودة والكفاءة.

## M6

### IEC+ S.R.L.

Via Argini Sud 3 - 43029

Traversetolo, Parma

إيطاليا

هاتف: +39 0521 343945

البريد الإلكتروني: gianluca.incerti@iecplus.com

موقع الويب: www.iecplus.com

### جهة الاتصال في منصة العرض: السيد جيانلوكا

إنسرتي

متخصصون في ماكينات التشييت والمزج والطحن عالية

الجودة لصناعات الدهانات والأحبار والكيماويات واللاصقات

والبوليمرات. بالإضافة إلى دراسات كاملة للهندسة

والمعالجة والحلول الجاهزة. تفخر ال ببراعتها الهندسية

هاتف: +1 64 7983 3537

فاكس: +1 90 5604 7009

البريد الإلكتروني: lucas@gandjresources.com

موقع الويب: www.gandjresources.com

جهة الاتصال في منصة العرض: لوكاسلاي

تمثل G&J Resources مكتب المبيعات لمصنع Xinli

وNanjing لمعالجة الكلوريد  $TiO_2$  والكبريتات  $TiO_2$ .

وهما من أهم خمس جهات تصنيع في الصين. بالإضافة

إلى ذلك، لديها صبغة معدنية مفرغة، وصبغة ألنيوم

رفيعة للغاية للحصول على أفضل تشطيب بتأثير مرآة.

## N15

Galstaff Multiresine SpA

Via Stazione 90, Mornago

Varese 210120

إيطاليا

هاتف: +39 33 8626 2628

فاكس: +39 03 3190 3777

البريد الإلكتروني: rebizzi@galstaffmultiresine.com

موقع الويب: www.galstaffmultiresine.com

جهة الاتصال في منصة العرض: ريبيزي بركارلو

تركز Galstaff Multiresine SpA الإيطالية على إنتاج

الراتنجات الصناعية والإضافات المساعدة في صناعة

الدهانات. وتتخصص في إنتاج راتنجات البوليستر غير

المشبعة وراتنجات البوليستر المشبعة والأيزو سيانات

العطرية والأليفاتية والراتنجات الألكيدية وراتنجات

الأمونيا بقدره جديدة

## M20

Gapuma

No 4 Kew Wharf, 8 Kew Bridge Road

London TW8 0FJ

المملكة المتحدة

هاتف: +44 0 208 969 2056

البريد الإلكتروني: yanish@gapuma.com

موقع الويب: www.gapuma.com

جهة الاتصال في منصة العرض: Yanish Bhageerutty

تعد Gapuma من الموردين الدوليين للمواد إلى صناعات

الدهانات في أوروبا والشرق الأوسط وأفريقيا وأمريكا

الجنوبية وتقدم مجموعة كبيرة من الكيماويات الخاصة

وكيماويات الصناعات الأخرى. تلزم Gapuma بالتعاون مع

سلسلة التوريد الكاملة والشركاء من رواد الكيماويات

العالميين بشأن المنتجات المحددة.

## M6

Gemini Techniek BV

Metaalstraat 22, 7483 Pd Haaksbergen

هاتف: +31 53 428 3000

البريد الإلكتروني: r.maas@gemini-techniek.com

موقع الويب: www.gemini-techniek.com

جهة الاتصال في منصة العرض: السيد رودي ماسي

معدات الماء والتشطيب والتنظيف لصناعة الدهانات

والأحبار. ماكينات الماء التناقلي والحجمي الأوتوماتيكية

بالكامل ونصف الأوتوماتيكية لكافة أنواع منتجات

الدهان. وخطوط تعبئة تناقلية خاصة للمعجون /

النسيج. ماكينات غسل/تنظيف الحاويات المتنقلة.

تركيبات تشطيب الألوان للتطبيقات الصناعية. تشترك

هذه ال في العرض مع الشهاب الذهبي للتجارة الفنية

ذ.م.م.

## L5B

Green Egypt Co

والبلاستيك والمطاط وغيره والمجالات ذات الصلة. وهي تتوقع  
مشاركته لجعل العالم مكاناً أكثر بهجة بالألوان.

## F8B

Foshan Xintu Chemical Co Ltd

Room 1618, Miking Plaza, Guangfo

Road, Nanhai District, Foshan

جمهورية الصين الشعبية

هاتف: +86 757 8576 7080

فاكس: +86 757 8579 1959

البريد الإلكتروني: sales@xintuchemical.com

موقع الويب: www.barium-sulphate.com

جهة الاتصال في منصة العرض: ميشيل

تأسست Foshan Xintu Chemical Co Ltd عام 1988.

وهي تصنيع وتطوير وتسويق احترافية متخصصة في

المنتجات الكيماوية على هيئة مسحوق أبيض عالية

الجودة. مثل كبريتات الباريوم. وكبريتات الباريوم المترسبة

وكبريتات الباريوم المترسبة الدقيقة المعدلة و ثاني أكسيد

التيتانيوم الروتيلو أناتاس. وكربونات الكالسيوم والكربون

الأسود وغيره لصناعة الدهانات.

## M6

FP-Pigments OY

Ahventie 4A 21-22, PO Box 11

FIN-02171 Espoo

فنلندا

هاتف: +49 152 29534196

البريد الإلكتروني: juergen.huehn@fp-pigments.com

موقع الويب: www.fp-pigments.com

جهة الاتصال في منصة العرض: جورجين هوهين: كاي

فوجت

تتخصص FP-Pigments في الصبغات المتخصصة عالية

الأداء، وحقق حلول التعتيم الفريدة الخاصة بها فوائد أداء

وتوفيرات في التكاليف في مجال الدهانات والطلاءات

والورق والكرتون والبلاستيك وأحبار الطباعة والصناعات

الأخرى المستهلكة للحجر. وتسمح الخصائص الفريدة

لمنتجاتها للمنتجين باستبدال صبغات  $TiO_2$  التقليدية

بصبغات ذات تأثير كبير مضاف القيمة. تشترك هذه ال في

العرض مع الشهاب الذهبي للتجارة الفنية ذ.م.م.

## N1A

FTC Korea

B-1921 Geumgang Penterium IT Tower

Gwangyang-dong Anyang-si 810

Gyeonggi-Do, Hwaseong 14056

كوريا الجنوبية

هاتف: +82 31 463 1098

فاكس: +82 31 463 4255

البريد الإلكتروني: wrpark@ftckorea.com

موقع الويب: www.ftckorea.com

جهة الاتصال في منصة العرض: وورام بارك

تعد FTC Korea المصنع الرائد لصناعة الدهانات والأحبار

في كوريا الجنوبية منذ 1999.

وفيما يلي المنتجات الرئيسية: الحافرات الحمضية: الإضافات

(عوامل التسوية، محفزات اللصق، عوامل مقاومة الرغوة.

عوامل التشطيب وغيرها): حافرات القصدير لبلعمة راتنجات

PE. اللاصقات لأسلاك الإطارات.

## G20

G&J Resources

Unit 502, 7300 Warden Avenue

Markham, Ontario L3R 9Z6

كندا

6th Fl, 77 Tun Hua S Rd, Se 2, Taipei

هاتف: +886 22 706 6006

البريد الإلكتروني: nicklin@ecic.com.tw

موقع الويب: www.ecic.com

جهة الاتصال في منصة العرض: السيد نيك لين

تعد وحدة الكيماويات المتخصصة في Everlight (SCBU)

جزءاً من مجموعة Everlight Chemical Group. تنتج

وحدة الكيماويات المتخصصة (SCBU) في الأساس إضافات

تثبيت الإضاءة (ممتصات الأشعة فوق البنفسجية ومثبتات

HALS) في تايوان لتختلف بشركات المعدات الأصلية لدهانات/

طلاء السيارات. فضلاً عن دهانات إعادة التشطيب وطلاءات

الأخشاب ومساحيق الطلاء وطلاءات الطيران والطلاءات

الصناعية وطلاءات الزينة والطلاءات الزراعية والطلاءات

البحرية والطلاءات المائية الطلاءات القابلة للمعالجة

بالأشعة فوق البنفسجية وغيره. تشترك هذه ال في

العرض مع الشهاب الذهبي للتجارة الفنية ذ.م.م.

## J9

Evonik

Rellinghauser Str. 1-11

Essen 45128

ألمانيا

هاتف: +49 201 177 01

البريد الإلكتروني: coatings@evonik.com

موقع الويب: www.evonik.com/coatings

جهة الاتصال في منصة العرض: هولجر ماسويرد

شريك واحد. يتضمن العديد من الخبراء. هذا يعني

أن Evonik هي المورد الرائد المتخصص في الطلاءات

واللاصقات. علاوة على ذلك، فهذه ال لا تعمل لصالح

العملاء فقط بل تعمل معهم. وهذا يتيح لك تطوير حلول

مخصصة لمنتجاتك - إنها بمثابة شريك مبدع لكافة

مراحل عملية الإنتاج.

## M6

Fast & Fluid The Tinting Company

Hub Van Doorneweg 31

Sassenheim

هولندا

هاتف: +31 02 5224 0800

البريد الإلكتروني: bjanas@idexcorp.com

موقع الويب: www.fast-fluid.com

جهة الاتصال في منصة العرض: السيد بارتيك جاناس

تعد Fast & Fluid, The Tinting Company رائداً عالمياً في

إنتاج معدات التشطيب والهزات والخلط لصناعة الدهانات.

وعادة ما تجد شبكة مكاتبها في أنحاء العالم ومنشآت

الإنتاج وشركاء المبيعات والخدمة التابعين لها مستعدين

لمساعدتك. تشترك هذه ال في العرض مع الشهاب الذهبي

للتجارة الفنية ذ.م.م.

## L1

Firsttruth Colorants China Co Ltd

Famous City (A02), 6 Xihu Road 1105-09

East, Wuxi, Jiangsu 214011

جمهورية الصين الشعبية

هاتف: +86 510 8203 9970

فاكس: +86 510 8203 9996

البريد الإلكتروني: wangnw@firsttruthcolorants.com

موقع الويب: www.firsttruthcolorants.com

جهة الاتصال في منصة العرض: نينفو وانج

تعمل Firsttruth Colorants مورداً ومصنفاً للصبغات

والأصباغ الذائبة عالية الأداء في الصين منذ 1997. وخطى

منتجاتها باستحسان عملائها في أنحاء العالم ويجري

استخدامها على نطاق واسع في أحبار الطباعة والدهانات

متعدد الجنسيات يقع مقرها الرئيسي في مومباي. بالهند كما تتواجد في ست دول في آسيا. وتعمل Environ Speciality Chemicals منذ عام 1995 على توزيع مجموعة كبيرة من الكيماويات والإضافات لصناعات زيوت التشحيد والبوليمرات والطلاء والأحبار واللصقات.

## M6

### Erichsen GmbH & Co KG

Am Iserbach 14, 58675 Hemer

ألمانيا

هاتف: +49 2372 9683-0

البريد الإلكتروني: info@erichsen.de

موقع الويب: www.erichsen.de

**جهة الاتصال في منصة العرض:** السيد ماركوس مورينا جري Erichsen الألمانية الأبحاث وتطور معدات وماكينات الاختبار وتصميمها وتضعها لمجالات التطبيقات التالية: اختبار الرقائق المعدنية واختبار الأسطح واختبار التآكل واختبار المواد. إنها واحدة من الشركات القليلة التي تدبر إنتاجها في ألمانيا فقط. وهذا يعني استعمال تقنيات الإنتاج الجيدة والموثوقة والمتطورة التي تدوم طويلا والمنتجا المتينة. تشترك هذه ال في العرض مع الشهاب الذهبي للتجارة الفنية ذ.م.

## T8

### Esterpol Performance Resins

مجمع دبي للاستثمار-2 صندوق بريد 185 دبي

الإمارات العربية المتحدة

هاتف: +971 56 808 1358

البريد الإلكتروني: info@esterpol.com

موقع الويب: www.esterpol.com

**جهة الاتصال في منصة العرض:** جامير حسن تشكل Esterpol علامة تجارية عالية تشتهر بالكيماويات عالية الأداء والتي تعتمد على كيمياء البوليمستر والأكريلا والبولي يوريا. تتمثل مهمة Esterpol في توفير حلول مستدامة وحاصدة للجوائز في صناعة البولي يوريثين وصناعة الدهانات. كما توفر خدمات تصنيع بمقابل للراتنجات والمزج

## F2

### Euchemy

## C6B

### Eurochem International FZE

صندوق بريد 8655

Y14 منطقة سيف، الشارقة

الإمارات العربية المتحدة

هاتف: +971 655 71654

فاكس: +971 655 71933

البريد الإلكتروني: info@eurochem.net

موقع الويب: www.eurochem.net

**جهة الاتصال في منصة العرض:** أنروده راجوفاناشي تعد Eurochem من الموردين الرئيسيين للمواد الخام إلى صناعة الدهانات والراتنج والأحبار واللصقات وكيماويات الإنشاء. وهي تمثل منتجين من ألمانيا وإيطاليا والصين وهولندا والهند وكوريا وتعمل في المنطقة الحرة بالشارقة تتاجر ال أيضًا في المشتتات والهزازات والمعدات العملية وخطوط مساحيق الطلاء وبطاقات الألوان ووسائط الطح والأدوات لإنتاج الطلاء. والأسواق القائمة لل هي الشرق الأوسط وأفريقيا. كما أن ال حاصلة على اعتماد ISO 9001:2015.

## M6

### Everlight Chemical Industrial Corporation

## J11

### Dynamech Industries (M) Sdn Bhd

No 11-1, Jalan Puteri 4/1, Bandar Puteri

Puchong, Selangor 47100

ماليزيا

هاتف: +603 8068 1888

فاكس: +603 8068 1999

البريد الإلكتروني: sales@dynamech.com

موقع الويب: www.dynamech.com

**جهة الاتصال في منصة العرض:** ميشيل تشيه

تعد Dynamech Industries تصنيع الآلات الرائدة للطواحين الأفقية وطواحين الحبيبات الرأسية وطواحين البكرات الثلاثية والمزجات عالية السرعة والمزجات ثنائية أو ثلاثية الأعمدة وماكينات التعبئة وغيره. كما تتوافر وسائط الطحن مثل حبيبات زركونيوم وحبيبات الزجاج وكرات فولاذ الكروم وغيرها. للمزيد من المعلومات، يرجى زيارة موقع www.dynamech.com.

## S4

### Ege Kimya San Ve Tic AS

Ayazma Cad. No 37 Papius Plaza Kat

10 Kagithane, Istanbul 34410

تركيا

هاتف: +90 54 9746 4015

البريد الإلكتروني: bservetoglu@egekimya.com

موقع الويب: www.egekimya.com

**جهة الاتصال في منصة العرض:** بانو سيرفيتوجل

تعد Ege Kimya التي تأسست عام 1955 واحدة من شركات إنتاج السلائف الكيميائية في صناعة الكيماويات التركية. يقع مقر Ege Kimya في أسطنبول، بتركيا. وتقع منشأة الإنتاج في أديازاراز، تركيا. وهي مستعدة لخدمتك وخدمة شركتك من خلال فريق البحث والتطوير صاحب الخبرة لديها.

## Q18

### El-Mohandes for Coatings & Solvents

طريق القاهرة-الإسكندرية الصحراوي، الكيلو 71، مدخل

جناكليس، البحيرة

أبو المطامير 22732

مصر

هاتف: +20 45 2452 102

فاكس: +20 45 2452 101

البريد الإلكتروني: sourcing-exh@el-mohandes.com

موقع الويب: www.el-mohandes.com

**جهة الاتصال في منصة العرض:** سيف الدين حشيش

تأسست المهندس عام، في جناكليس، البحيرة. وتبعد حوالي 80 كم عن ميناء الإسكندرية. وقد أحدثت ال خلا سريعا في صناعة المذيبات في مصر من خلال تقديم نطاق عريض من المنتجات والخدمات الفريدة. وهي ملتزمة بشدة بلوائح الجودة والصحة والسلامة لضمان خدمات تشغيل آمنة وعالية الكفاءة.

## P17

### Environ Speciality Chemicals Gulf FZE

مكتب 310، مركز الأعمال 06، مبنى المريد، منطقة

التجارة الحرة برأس الخيمة،

صندوق بريد: 56302، رأس الخيمة

الإمارات العربية المتحدة

هاتف: +91 99 6964 3113

فاكس: +91 22 4003 9240

البريد الإلكتروني: ravi@environchemfze.com

موقع الويب: www.environchemfze.com

**جهة الاتصال في منصة العرض:** رافي أهوجا

تعد Environ Speciality Chemicals موزع كيماويات

البريد الإلكتروني: hans.peter.hansen@pilvaddiaf.com

www.pilvaddiaf.com

**موقع الويب:** www.pilvaddiaf.com

**جهة الاتصال في منصة العرض:** هانز بيتر هانسن تأسست Diaf عام 1912 وتعمل في مجال تصنيع معدات الإنتاج لصناعة الكيماويات/المعالجة. وصناعة الدهانات والأحبار. واليوم، تعد Diaf واحدة من الشركات الرائدة فيما يتعلق بتخطيط وتصميم وتطوير إنشاء وتركيب وبدء تشغيل/نشر المشروعات الجاهزة لآلات الإذابة والمزجات والجانسات وطاحونات الحبيبات ومعدات التعبئة وغيره. وتشترك هذه ال في العرض مع Dynamech Industries (M) SdnBhd.

## H24

### Dongsun Powder Processing Equipment Co Ltd

Jinx Industrial Estate, Zhifu APEC 13

Park, Yantai, Shandong

جمهورية الصين الشعبية

هاتف: +86 535 211 8958

محمول: +86 138 6457 0840

البريد الإلكتروني: powtech\_yantai@163.com

sales@ytopsun.com

موقع الويب: www.ytopsun.com

**جهة الاتصال في منصة العرض:** راي هاو

تتولى Dongsun الريادة في تصنيع معدات إنتاج مساحيق الطلاء في الصين من خلال منتجات مثل المازجات والطارادات وسيور التبريد وطواحين ACM التي تتفوق مع معايير CE والمعايير الدولية الأخرى. وتقوم بالتصدير إلى 40 دولة في أنحاء العالم.

## K14

### Dromont

Via Borzone, 42

Grinzane Cavour 12060

إيطاليا

هاتف: +39 0173 230430

البريد الإلكتروني: cristina.cordero@dromont.com

موقع الويب: www.drmon.com

**جهة الاتصال في منصة العرض:** السيدة كريستين

كوردريو

تعد Dromont عريقة ورائد في المعرفة بالمشتتات وهي الجهة المنتجة لأنظمة المصانع والتطبيقات الصناعية وتخصص في صناعة الدهانات منذ 1987. تتميز ال بقدراتها القوية في الاقتصاديات النامية حيث من المعتاد وجود طلب في الغالب على المعدات الأوتوماتيكية عالية الإنتاجية.

## M6

### DSM Coating Resins BV

Sluisweg 12, 5145 Pe Waalwijk

هولندا

هاتف: +41 61 825 6600

البريد الإلكتروني: erwin.laere-van@dsm.com

موقع الويب: www.dsmcoatingresins.com

**جهة الاتصال في منصة العرض:** السيد إيروين فان لير تهدف DSM إلى تنمية سوق راتنجات الطلاء من خلال حلول مستدامة تلبي احتياجات العملاء. وهي على يقين راسخ بأنه لا يمكنها تحقيق طموحها إلا بالتعاون مع عملائها والشركاء الآخرين. لأجل مستقبل مشرق للشعوب اليوم وللأجيال المستقبلية. وتشترك هذه ال في العرض مع الشهاب الذهبي للتجارة الفنية ذ.م.



تسعى بإخلاص للتعاون مع العملاء الجدد والخالين للنمو معاً لأجل مستقبل مشرق.

## T12

### Datacolor AG Europe

Loorenstrasse 9

Dietlikon 8305

سويسرا

هاتف: +49 17 19784955

البريد الإلكتروني: folschewski@datacolor.com

موقع الويب: www.datacolor.com

**جهة الاتصال في منصة العرض:** فريد أولشويسكي  
استعانته العلامات التجارية الرائدة في العالم وجهات التصنيع ومتخصصي الأعمال الإبداعية بالحلول المبتكرة من Datacolor لتحقيق اللون الصحيح باتساق لأكثر من 45 عامًا. وتوفر ال المبيعات والخدمة والدعم في أكثر من 100 دولة حول العالم. وتشمل الصناعات التي تتم خدمتها المنسوجات والعتاد والطلاءات والدهانات والسيارات والبالستيك والتصوير الفوتوغرافي وتصوير الفيديو.

## K13

### De Vree

Toekomstlaan 10

Merksem, Antwerp 2170

بلجيكا

هاتف: +32 3 641 43 00

فاكس: +32 3 646 48 15

البريد الإلكتروني: sales@devree.com

موقع الويب: www.devree.com

**جهة الاتصال في منصة العرض:** جرت فان هيروجن  
تصمم De Vree من بلجيكا وتصنع معدات التعبئة والتغليف الآلية ونصف الآلية للسوائل الصناعية. مثل الدهانات والمذيبات والتنر ومواد التصليد واللاصقات وغيرها. تقدم De Vree كلا من وحدات التعبئة بالوزن وآلات التعبئة بالحجم.

## N11

### DeFelsko Corporation

Proctor Ave 800

Ogdensburg, NY 13669

أمريكا

هاتف: +1 315 393 4450

البريد الإلكتروني: techsale@defelsko.com

موقع الويب: www.defelsko.com

**جهة الاتصال في منصة العرض:** تيري لارو  
تفخر DeFelsko، وهي مصنع أمريكي رائد لمعدات الفحص، بتصنيع المعدات التي تحمل الاسم التجاري PosiTector و PosiTector يشمل ذلك سلسلة PosiTector من المجسات القابلة للاستخدام البيئي لقياس سماكة الدهانات. والتشكيل الجانبي والظروف البيئية وتركيز الملح وصلابة Shore وسماكة الحائط. كما تشمل المنتجات سلسلة PosiTector 6000 من العدادات وجهاز الاستكشاف PosiTector منخفض الجهد صغير الثقب.

## P8/13/15

### Dia33

## J11

### DIAF Pilvad A/S

Praestemosevej 2-4, Fredensborg 3480

الدنمرك

هاتف: +45 21 692077

فاكس: +45 49 163242

تنخصص Coprabel في إنتاج منتجات الديكور للتصميمات الداخلية والخارجية وتوزيع المواد الخام إلى مصنعي الدهانات. ويتمثل هدفها في أن تصبح متجرًا شاملاً عال الجودة لاحتياجات التصميم الداخلية والخارجية. كما تستخدم أحدث التقنيات. والمواد الخام المختارة بعناية وتوفر منتجات صديقة للبيئة.

## E12

### Covestro

مؤسسة MS Global AG. فرع دبي. مكتب 112&110.

جنوب البرشاء 2، دبي-الإمارات العربية المتحدة

مبنى مجمع دبي للعلوم، دبي

الإمارات العربية المتحدة

هاتف: +971 4275 7301

البريد الإلكتروني: kss.subramanian@covestro.com

موقع الويب: www.covestro.com

**جهة الاتصال في منصة العرض:** سوبرامانيان

كي إس إس

بتحقيق مبيعات 11.9 مليار يورو في 2016 وتوظيف 15600 موظف. تعد Covestro من أكبر المصنعين في العالم للمواد البوليمرية عالية الجودة. وتستخدم المنتجات والحلول المبتكرة لل العديد من التطبيقات الرئيسية التي تساعد في تحسين جودة الحياة. ومن ثم جعل العالم مكاناً أكثر رخاء.

## P3

### Cristal

شارع ساري (أمام بلدية المطار) منطقة الربوة

صندوق بريد 13586، جدة 21414

المملكة العربية السعودية

هاتف: +966 12 4324 8260

البريد الإلكتروني: Ahmed.Saadi@cristal.com

موقع الويب: www.cristal.com

**جهة الاتصال في منصة العرض:** أحمد سعدي

تعد Cristal واحدة من أكبر المنتجين في العالم لثاني أكسيد التيتانيوم ومنتجاً رائداً لكيمائيات التيتانيوم. ومع وجود أكثر من 3400 موظف في خمس قارات. فهي رائدة في ابتكار وتصنيع أكسيد التيتانيوم. تفخر Cristal بتقديم منتجاتها من TiO<sub>2</sub> عالية الأداء للدهانات والطلاء.

## CS1

### Dalian Bio-Chem Company Limited

11F, Anda Business Mansion

No 32 Wuwu Road, Zhongshan District

Dalian 116001

جمهورية الصين الشعبية

هاتف: +86 411-8273 5006

محمول: +86 135 0071 2013

البريد الإلكتروني: xianwu@biofc.com

موقع الويب: www.biofc.com

**جهة الاتصال في منصة العرض:** هو دوغ

تأسست Dalian Bio-Chem Company Limited عام 2003. وهي متخصصة في إنتاج المبيدات الحيوية والمواد الحافظة للتطبيقات الصناعية والمنزلية المختلفة. ولديها حتى الآن عدد من براءات الاختراع المتعلقة بمركبات MIT و CMIT/MIT وBIT وDCOIT وOIT وأصبحت Dalian Bio-Chem المصنع الشهير لمبيد أيزوثيازولين في آسيا. ويجري استخدام منتجاتها على نطاق واسع في مجالات معالجة المياه والورق واللباب ومعالجة الزيت والطلاء والدهان ومستحضرات التجميل وغيره ويوجد لل ثلاث قواعد إنتاج. تقع في سوغومودوولفشنونشيناغ على التوالي. تهدف فلسفة ال إلى تحقيق الإنتاج المراعي للبيئة والجودة والخدمة. ولأنها جهة تصنيع منتجات صديقة للبيئة. فهي

## المملكة المتحدة

هاتف: +44 (0) 1737 855000

فاكس: +44 (0) 1737 855034

البريد الإلكتروني:

coatingsgroup@dmgeventsme.com

موقع الويب: www.coatingsgroup.com

**جهة الاتصال في منصة العرض:** كيز شفي. مدير مبيعات

المجموعة: كريس مالتھوس. المحرر

تنظم مجموعة الدهانات Coatings Group عددًا من معارض الدهانات الناجحة فضلاً عن المؤتمرات والفعاليات حول العالم بالإضافة إلى نشر مجلة لـ PPC ومجلة لـ APC المصاحبة لها. تعد لـ PPC مجلة رائدة لصناعة الدهانات في كافة أنحاء أوروبا والشرق الأوسط وشمال أفريقيا. بينما تعد لـ APC مخصصة لصناعة الدهانات في جنوب شرق آسيا وساحل المحيط الهادئ والمنطقة الأسترالية الآسيوية والصين.

بالإضافة إلى تنظيم معارض دهانات الشرق الأوسط الناجحة للغاية. فإن مجموعة الدهانات تعقد فعاليات في شمال أفريقيا وآسيا.

## G15

### Coloris

RN7 Le Plein Ciel, 2648

Villeneuve-Loubet 06270

فرنسا

هاتف: +33 (0) 4 92 02 61 90

البريد الإلكتروني: colorants@coloris-gcc.com

موقع الويب: www.coloris-gcc.com

**جهة الاتصال في منصة العرض:** كريستين ميلاني  
جهة تصنيع فرنسية للونيات الدهانات وأنظمة الصباغة ومشتتات الصبغات لأعمال الصباغة في المصنع وفي نقطة البيع. كما تقدم أيضاً خدمة تكوين وتصنيع ألوان مخصصة.

ساهم الجيل الجديد من المعدات وتقنية البوليمرات الخاصة بها الحاصلة لبراءة اختراع في احتلالها مكانة رائدة كأحد أشهر مصانع الملونات عالية الأداء في أوروبا.

## K14

### Comec

Via Consolini, 12

Canossa 42026

إيطاليا

هاتف: +39 0173 230430

البريد الإلكتروني: cristina.cordero@dromont.com

موقع الويب: www.comec.eu.com

**جهة الاتصال في منصة العرض:** السيدة كريستين كورديرو  
تفتخر Comec، المتخصصة في أعمال التشطيب والطحن، بالبرونة التقنية في مؤسسة تعتمد على العلم في توفير حلول فريدة لأكثر من 40 عامًا. وتعمل Comec من خلال تعاون متبادل كامل مع مؤسسة Dromont لتقديم التعاون الوثيق مع عملائها في البحث والتطوير لفرص جديدة رائدة.

## P16

### Coprabel SA

Avenue Vesale 20

Wavre 1300

بلجيكا

هاتف: +32 1023 8280

فاكس: +32 1023 8289

البريد الإلكتروني: info@coprabel.com

موقع الويب: www.coprabel.com

**جهة الاتصال في منصة العرض:** عمار نعامني

## H5

### Chemours

## F1

### CIM Trading Co FZC

الوحدة 20G-04، المنطقة الحرة بجميرا

الشارقة صندوق بريد 41382

الإمارات العربية المتحدة

هاتف: +971 6 5260 892

فاكس: +971 6 5260 894

البريد الإلكتروني: info@cimtrading.com

موقع الويب: www.cimtrading.com

**جهة الاتصال في منصة العرض:** فارنوس شيخاني  
تأسست CIM Trading Co عام 2006 وهي تمثل العدد من جهات التصنيع الأوروبية في الشرق الأوسط. تورد CIM المعدات لصناعات الدهانات والطلاء والبلاستيك والطباعة والتغليف في المنطقة. وتشمل المنتجات ماكينات إعادة تدوير المذيبات ومعالجة مياه الصرف وأنظمة الغسل لصناعة الطباعة والتغليف وأنظمة المزج والطحن لصناعة الدهانات. وتشترك هذه ال في العرض مع IST Italia Sistemi Tecnologici SpA.

## N2

### Cimsa Cimento

Kisikli Caddesi Sarkuysan-Ak Is

Merkezil S Blok No 4 Altunizade-

Uskudar, 34000 Istanbul

تركيا

هاتف: +90 21 6651 5300

البريد الإلكتروني: y.aslan@cimsa.com.tr

موقع الويب: www.cimsa.com.tr

**جهة الاتصال في منصة العرض:** ياسين أسلان  
تعمل Cimsa، وهي أسمنت تركي رائدة، على توريد أسمنت ألومينات الكالسسيوم، وكتل ألومينات الكالس والاسمنتالبورتلندي الأبيض ومزيج الصيف الأبيض وم البناء الأبيض إلى عملائها في الولايات المتحدة. تليي Cimsa، بوصفها شريك أعمال موثوق، احتياجات عملا من المنتجات بالكامل في الوقت المحدد من خلال منهج للوجه للسوق.

## N11

### Clean Blast International

مجمع دبي للاستثمار 2 (DIP 2)

صندوق بريد 93716، دبي

الإمارات العربية المتحدة

هاتف: +971 4 884 7344

البريد الإلكتروني: sales@clean-blast.com

موقع الويب: www.clean-blast.com

**جهة الاتصال في منصة العرض:** ربي بشير  
تقدم Clean Blast International مجموعة كاملة من معدات خضير الأسطح والكماليات. وتركز حافظة منتجاتها في الأساس على معدات السفع الرملي والدهانات وماكينات خضير سطح الخرسانة وتقنيات القطع باللاس. وتشترك هذه ال في العرض مع DeFelsko Corporation.

## D8

### Coatings Group

### Polymers Paint Colour Journal

dmg::events (MEA) Ltd

Quartz House

20 Clarendon Road, Redhill

Surrey RH1 1QX

Plaza, 77, Mody Road, Tsimshatsui East

Kowloon, Hong Kong

هاتف: +852 2721 2257

البريد الإلكتروني: dahod1947@gmail.com

موقع الويب: www.cathayindustries.com

**جهة الاتصال في منصة العرض:** السيد ديفيد هودج  
تعد Cathay Industries واحدة من أكبر المصنعين لصبغات أكسيد الحديد الصناعي في العالم. وهي تورد لرواد السوق في صناعتي الإنشاءات والدهانات مجموعة شاملة من المنتجات عالية الجودة التي تشمل أكسيد الحديد وثاني أكسيد التيتانيوم والكاولين المكلس وكربونات الكالسسيوم والسليولوز والأسمنت الأبيض للتطبيقات التجارية. وتشترك هذه ال في العرض مع الشهاب الذهبي للتجارة الفنية ذ.م.

## E2

### Changzhou Hickory Chemical Co Ltd

No 2 Weihua Road, Chunjiang Town

Xinbei District, Changzhou

Jiangsu Province

جمهورية الصين الشعبية

هاتف: +86 519 8962 8252

+86-519 8520 2312

محمول: +86 151 6118 2944

البريد الإلكتروني: andy.fei@hickchem.com

موقع الويب: www.hickchem.com

**جهة الاتصال في منصة العرض:** أندى في  
تصنيع محترفة في أكريلاتالهيدروكسيل (المنيل)

## F4

### Chemcoat

## H12

### Chemical Partners Europe

## R20

### Chemipol

C/ Joan Monpeó 149

Terrassa 08223

أسبانيا

هاتف: +34 937 837 580

البريد الإلكتروني: chemipol@chemipol.com

موقع الويب: www.chemipol.com

**جهة الاتصال في منصة العرض:** إدوارد بروتو  
تنتج Chemipol وتوزع المبيدات الإحيائية والمواد الخاصة بالدهانات واللصقات والأحبار ومواد الإنشاءات منذ 1979. حيث تقدم خدمة تقنية كاملة إلى جانب الدعم للعملاء.

## K10

### ChemischeFabrikBudenheim KG

Rheinstrasse 27, 55257 Budenheim

ألمانيا

هاتف: +49 613 9890

البريد الإلكتروني: coatings@budenheim.com

موقع الويب: www.budenheim.com

**جهة الاتصال في منصة العرض:** مايك ديمر  
تعد Budenheim واحدة من المنتجين الرائدة لخلول الفوسفات عالية الجودة لصناعة الدهانات والطلاءات. وتعد منتجاتها من المكونات الأساسية في الدهانات المتبججة لحماية الحديد والأخشاب. وأيضًا في اللصقات ومواد العزل وتطبيقات المنسوجات.  
تمثل Budenheim القسم الكيميائي في مجموعة Dr Oetker العالمية. وتشترك في العرض مع REDA Chemicals.

تعد BYK موردًا رائدًا للكيمائيات المتخصصة في مجال الإضافات والأدوات. يمكن للإضافات حتى الكميات الصغيرة منها تحسين خصائص المنتج أو بريق الأسطح. يعمل في BYK حوالي 2100 شخص في 16 منشأة تصنيع في كافة أنحاء العالم.

## J6

### BYK-Gardner GmbH

Lausitzer Strasse 8

Geretsried, Bavaria 82538

ألمانيا

هاتف: +49 8171 3493 163

فاكس: +49 8171 3493 140

البريد الإلكتروني: info.BYK.Gardner@altana.com

hardy.bunkowski@altana.com

موقع الويب: www.byk.com

**جهة الاتصال في منصة العرض:**

فريدلهم فينسترسيفر:

هاردى بنكوسكى

BYK-Gardner أدوات قياس خصائص اللون والمظهر الخصائص الفيزيائية للدهانات والبلاستيك بموضوعة. تلتزم BYK-Gardner بتوفير حلول أنظمة كامل لخل مشكلاتك فيما يتعلق بخصائص اللون والمظهر والخصائص الفيزيائية. تعد BYK-Gardner جزءًا من ALTANA وهي فرعية مباشرة لـ BYK-Chemie.

## F17

### Cantarella & Moltini srl

Via Giuditta Pasta 120

Milano 20161

إيطاليا

هاتف: +39 02 9533 9084

البريد الإلكتروني: delia.bassanini@cantarellaemolteni.it

موقع الويب: www.cantarellaemolteni.it

**جهة الاتصال في منصة العرض:** السيد كلاوديو كانتريلا  
تعد Cantarella & Molteni من الشركات الرائدة في مجال عينات الألوان لصناعة الدهانات والطلاءات. كما تعد C&M الشريك المثالي لإنشاء أدوات تسويق الألوان. وقد أتاح لها خبرتها إنشاء علاقات تعاون مع كبرى العلامات التجارية للدهانات في العالم.

## M6

### Cathay Industries (Africa) (Pty) Ltd

Lion Roars Office Park, Block A, First

Floor, Cnr 3rd Avenue and Heugh Road

Walmer, Port Elizabeth, 6070

جنوب إفريقيا

هاتف: +27 82 551 5405

البريد الإلكتروني: hans@cathayindustries.co.za

موقع الويب: www.cathayindustries.co.za

**جهة الاتصال في منصة العرض:** السيد هانز ويجاند  
تعد Cathay Industries واحدة من أكبر المصنعين لصبغات أكسيد الحديد الصناعي في العالم. وهي تورد لرواد السوق في صناعتي الإنشاءات والدهانات مجموعة شاملة من المنتجات عالية الجودة التي تشمل أكسيد الحديد وثاني أكسيد التيتانيوم والكاولين المكلس وكربونات الكالسسيوم والسليولوز والأسمنت الأبيض للتطبيقات التجارية. وتشترك هذه ال في العرض مع الشهاب الذهبي للتجارة الفنية ذ.م.

## M6

### Cathay Industries Asia Pacific Ltd

Suite 901a, 9/F, Chinachem Golden

## L2

### Biuged Instruments Co Ltd

Rm 101, No 3, Sicheng Road, Gaotan  
Software Park, Tianhe Dist, Guangzhou  
Guangdong 510660

جمهورية الصين الشعبية

هاتف: +86 13 3160 3898

البريد الإلكتروني: sara@biuged.com

موقع الويب: www.biuged.com

جهة الاتصال في منصة العرض: سارا يابو

يؤكد الزائرون حضور هذه ال كل عام، بوصفها من  
العارضين الدائمين في معرض الشرق الأوسط للدهانات  
(MECS). ولكنها لا تزال ترغب في تقديم مفاجأة للزائرين  
في كل مرة. في هذه المرة ستستخدم جناحًا خاصًا لعرض  
منتجها الجديد وهو ماكينة HSD متعددة الوظائف. من ثم  
فهي ترحب بزيارتك وتقدر نصائحك التي لا تقدر بثمن.

## K7

### Bonyan Kala Chemie Company (BKC)

Unit 4, No 2, 1 3th St, Bokharest Ave  
Tehran 1513754915

إيران

هاتف: +98 91 2290 2522

فاكس: +98 21 8871 6808

البريد الإلكتروني: imankh@bk.com.cy

موقع الويب: www.bonyankala.com

جهة الاتصال في منصة العرض: إيمان خاتمي

تصدر راتنجات البوليستر غير المشبعة والجففات والألكيدات

## D4A

### Bühler AG

## M6

### Buss AG

Hohenrainstrasse 10, 4133 Pratteln  
Switzerland

هاتف: +41 61 825 6600

البريد الإلكتروني: gianluca.tregnago@busscorp.com

موقع الويب: www.busscorp.com

جهة الاتصال في منصة العرض: السيد جيانلوكا

ترجناجو

تعد Buss رائدًا عالميًا في أنظمة المركبات عالية الجودة.  
وتعد عجانة Buss من آلات بثق المركبات متعددة  
الاستعمالات والمشهود بكفاءتها بامتياز في صناعات  
مسابح الطلاء. وقد صمم الجيل الأخير من عجانات Buss  
لمسابح الطلاء، وهي سلسلة PCS Series الموسعة.  
لتغطية مجموعة كبيرة للغاية من التركيبات تتراوح من  
التطبيقات عالية التفاعل منخفضة التبيس إلى الطلاءات  
اللامعة الشفافة. وتشارك هذه ال في العرض مع الشهاب  
الذهبي للتجارة الفنية ذ.م.م.

## J6

### BYK-Chemie GmbH

Abelstrasse 45  
Wesel 46483

ألمانيا

هاتف: +49 281 670-0

فاكس: +49 281 657-35

البريد الإلكتروني: Ralf.vanBekum@info@byk.com

altana.com

موقع الويب: www.byk.com

جهة الاتصال في منصة العرض: رالف فان بيكون:

تروستن جارتير

## N12A

### BDC Distribution PVT Ltd

D-87, 2nd Floor, Sector 2, Noida-201 301  
India

الهند

هاتف: +91 120 4798 555

البريد الإلكتروني: bharat.kaura@colourindia.com

موقع الويب: www.colourindia.com

جهة الاتصال في منصة العرض: بهارات كورا

تشارك هذه ال في العرض مع Shepherd Color.

## L16

### Being Instrument Inc

7F, Gonghe Xin Road, Shanghai 200070

جمهورية الصين الشعبية

هاتف: +86 800 278 1390

محمول: +86 139 1792 1326

البريد الإلكتروني: export2@bluepard.com

موقع الويب: www.bluepard.com

جهة الاتصال في منصة العرض: شين جي

تعمل Being Instrument Inc على توريد معدات

المعامل في مجالات معالجة الحرارة والرطوبة ومعالجة

المواد والإلكترونيات المتعلقة بالجامعات ومنشآت

الأبحاث والمعامل.

وتتمتع بخبرة كبيرة في تصنيع المعدات العملية. والآن تقوم

بدمج خبرتها مع أحدث التكنولوجيا لتلبية متطلباتك.

المنتجات الرئيسية: غرفة اختبار Xenon. غرفة اختبار

الأشعة فوق البنفسجية. غرف الحرارة والرطوبة.

غرفة اختبار التآكل. غرفة اختبار التآكل برش الملح. الأفران

مفرغة الهواء. أفران التجفيف. الحاضنات. الهزازات وغيرها.

## H4

### BEVS Industrial Co Ltd

3rd Floor, Building A, No 257 Junye  
Road, Huangpu District, Guangzhou  
Guangdong 510530

جمهورية الصين الشعبية

هاتف: +86 20 2903 8636

البريد الإلكتروني: sales@bevinfo.com

موقع الويب: www.bevinfo.com

جهة الاتصال في منصة العرض: ويلسون تان

تعد BEVS Industrial Co Ltd مصنعًا لأدوات الاختبار

في مجال الطلاء والدهانات والراتنج والأحبار. وتمتلك في

صناعتها معدات مراقبة الجودة والاختبار بأعلى المعايير

مصحوبة بأفضل تكنولوجيا متقدمة هذه الأيام.

## S6

### BIP (Oldbury) Ltd

Tat Bank Road Oldbury  
West Midlands, B69 4NH

المملكة المتحدة

هاتف: +44 121 544 1555

فاكس: +44 121 552 6148

البريد الإلكتروني: ian.whyley@bip.co.uk

موقع الويب: www.bip.co.uk

جهة الاتصال في منصة العرض: السيد إيان ويل

تعد BIP (Oldbury) Ltd مصنعًا بريطانيًا رائدًا لمجموعة

كبيرة من البوليمرات تحت العلامات التجارية Surkopak

& Surkofilm. وتستخدم راتنجات PU هذه في شتى أنحاء

صناعة أحبار الطباعة. وقد صممت أنواع الراتنجات هذه

خصيصًا لتصنيع أحبار تعتمد على مذيب للاستخدام

في تطبيقات تغليف الأغذية المختلفة. وتشارك هذه ال في

العرض مع ABC Chemical Exports PVT Ltd.

مختلفة من D98 3.5 ميكرون و90% أقل من 2 ميكرون  
إلى حبيبات 3 م.

## J20

### Arabian Zinc Oxide Factory

صندوق بريد 35790. مدينة جبل الصناعية بالمنطقة

الشرقية، جبل 31961

المملكة العربية السعودية

هاتف: +966 13 341 7094

فاكس: +966 13 341 7910

البريد الإلكتروني: kaushikks@alsuwaiddi.com.sa

موقع الويب: www.arabianzinc.com

جهة الاتصال في منصة العرض: السيد كاوشيك شاه

مصنعة لأكسيد الزنك بدرجات مختلفة وغبار الزنك

لصناعة الدهانات. وتشارك هذه ال في المعرض مع إتش إيه

كبه للكيماويات الصناعية (ش.م.م.).

## G17

### Aron Universal

## S2

### ASCOM for Carbonate & Chemicals Manufacturing (ACCM)

المكتب الرئيسي: 48 شارع النصر، المعادي الجديدة -  
القاهرة، مصر

المصنع: الخلية الأولى - القطاع الثالث بالمنطقة

الصناعية - المطاهرة شرق النيل، المنيا 11742

مصر

هاتف: +20 12 8082 2311

فاكس: +20 2 2517 7980

البريد الإلكتروني: ahmed.niazy@accm.com.eg

موقع الويب: www.accm.com.eg

جهة الاتصال في منصة العرض: أحمد نيازي

بدأت أسكون الإنتاج في 2009 ومنذ ذلك الحين طورت

سمعة عالمية. وتوفر للعملاء منتجات عالية الجودة وموفرة

للتكلفة. تم تصنيعها من كربونات الكالسيوم الأرضية

(GCC)، والتي تم تصنيعها وفق أعلى المعايير الأخلاقية

والبيئية ومعايير السلامة.

وتعتبر منتجاتها، التي يتم بيعها تحت العلامة التجارية

أسكوم، ويجري تصديرها إلى كافة أنحاء العالم من

المكونات الحيوية ل: صناعات الورق والبلاستيك والدهانات

والطلاءات والإنشاءات.

## S6

### Asha Penn Color Pvt Ltd

Asha House, Plot No 808/C

Dr B A Road, Dadar T T, Mumbai

الهند

هاتف: +91 22 2414 0020

فاكس: +91 22 2413 7190

البريد الإلكتروني: bbsen@ashapenncolor.com

موقع الويب: www.ashapenncolor.com

جهة الاتصال في منصة العرض: السيد بي بي سن

تعد Asha Penn Color Pvt Ltd (APC) مشروعًا مشتركًا

بين Asha Dispersions Pvt Ltd Mumbai، بالهند و Penn

Color Inc بالولايات المتحدة الأمريكية. تنتج APC شرائح

مصبوغة، وهي عبارة عن مشتتات صبغات صلبة مركزة

تعتمد على راتنجات متعددة، مثل النيتروسيليلوز والفينيل

والأكريليك والبولي فينيل بوتونال والبولاميد وCAB وغيرها.

تنتج APC أيضًا خضيرات صبغات في صورة سائلة للعديد

من التطبيقات النهائية، مثل الطلاءات الصناعية ولاكيه

الخشب ودهانات السيارات وغير ذلك. وتشارك هذه ال في

العرض مع ABC Chemical Exports Pvt Ltd.



## S6

### ABC Chemical Exports

صندوق بريد 8330 منطقة سيف، الشارقة

الإمارات العربية المتحدة

هاتف: +971 6557 9612

فاكس: +971 6557 9613

البريد الإلكتروني: ganeshan@abcchemical.com

موقع الويب: www.abcchemical.com

**جهة الاتصال في منصة العرض:** إن كي جانشان  
تعد مجموعة ABC Chemical واحدة من أكبر دور توزيع الصادرات/الواردات للصبغات العضوية/غير العضوية يشمل ذلك صبغة  $TiO_2$  والكربون الأسود والراتنجات والمواد الخام الراتنجية والإضافات والمواد الخام للصبغة المصنعة بواسطة جهات تصنيع دولية كبيرة الحجم ومتوسط الحجم ذات سمعة طيبة. ويوجد لدى ABC معمل جيد التجهيز في مقرها في الهند.

## K16

### AGC Chemicals Europe

Commercial Centre Zuidplein 80 H

Tower, Amsterdam 1077 XV

هولندا

هاتف: +31 (0) 20 880 4174

فاكس: +31 (0) 20 880 4188

البريد الإلكتروني: marketing@agcce.com

موقع الويب: www.agcce.com

**جهة الاتصال في منصة العرض:** بن رونار  
تتمتع AGC بخبرة تزيد عن 100 عام في تطوير المنتجات الكيماوية المتكررة.

ويعمل راتنج FEVE المدهش للدهانات واللوميفلون وبوليول OH الوظيفي على ضمان الحفاظ على المظهر الأصلي للمباني والسيارات وطواحين الهواء والجسور لعدة قرون. كما خُصِي الدهانات المعتمدة على اللوميفلون من الأشعة فوق البنفسجية والأكسدة والرطوبة والتآكل وحتى المطر الحمضي.

## S11

### Al Khowahir Chemicals

صندوق بريد 6870، المنطقة الصناعية 2

بالشارقة، الإمارات، الشارقة 6870

الإمارات العربية المتحدة

هاتف: +971 06542 4116

فاكس: +971 06542 4016

البريد الإلكتروني: ligy@khawahir.com

موقع الويب: www.khowahirchemicals.com

**جهة الاتصال في منصة العرض:** ليحي فيليب  
تمثل الخواهر للكيماويات متجراً شاملاً للكيماويات لمصنعي الطلاء والدهانات. وتعد الخواهر للكيماويات موزعاً لإيتير السليلوز والصبغات العضوية وغير العضوية وإضافات التشييت وإضافات الانسياب والسيليكا المدخنة، والمبيدات الحيوية، والمواد الحافظة ومواد إطفاء الحريق والملدنات غير الفسلاطية، وراتنجات PVB، والمواد المتألفة بدون مركبات متطايرة (VOC)، ومثبتات UV وبوتيراتأسيتات السليلوز وغيره.

## Q9

### Al Sanea Chemical Products

هاتف: +971 4513 5182

البريد الإلكتروني: info@horizonchemicals.com

موقع الويب: www.horizonchemicals.com

**جهة الاتصال في منصة العرض:** أجابويس إيزاك  
تأسست الصانع للمنتجات الكيماوية عام 1977. ويغطي تصنيعها أكثر من 100 تركيبة: تركز في الأساس على

المنظفات الصناعية ومجموعة كبيرة من المطهرات تعد الصانع للمنتجات الكيماوية واحدة من الشركات الأكثر تنوعاً في الكويت وواحدة من منشآت الأعمال العربية. تشترك هذه ال في العرض مع Horizon Chemicals.

## M6

### Al Shihab Al Thahabi Tr Co LLC

برج الدرة، مكتب رقم 901

كورنيش البحيرة، الشارقة 30681

الإمارات العربية المتحدة

هاتف: +971 6556 8301

فاكس: +971 6556 8302

البريد الإلكتروني: rahim@thahabi.ae

موقع الويب: www.thahabi.ae

**جهة الاتصال في منصة العرض:** السيد رحيم ك جمال  
تعد الشهاب الذهبي واحدة من الشركات الإماراتية ذات تاريخ حافل وطويل في أعمال التجارة بالجزيرة العربية. وتغطي عملياتها دول مجلس التعاون الخليجي. مرور السنين، اكتسبت الشهاب الذهبي سمعة طيبة باعتبارها المورد المفضل للكيماويات والآلات والمعدات لصناعة الدهانات والطلاءات.

## P10

### Allnex

Anderlechtstraat 33

Drogenbos, Brussels 1620

بلجيكا

هاتف: +32 2334 5111

البريد الإلكتروني: irena.ketelaars@allnex.com

موقع الويب: www.allnex.com

**جهة الاتصال في منصة العرض:** إيرينا كيتيلارس  
تقدم Allnex مجموعة شاملة من المنتجات: راتنجات السوائل المتكررة والإضافات وراتنجات طلاء المساحيق والمعالجة للإشعاع ومواد صالات البوليمر للاستخدام على الأخشاب والمعادن والبلاستيك والأسطح الأخرى. وتلبي منتجاتها متطلبات قطاعات عديدة من المستخدمين النهائيين: السيارات والصناعة وطلاءات وأحبار التغليف والحماية والإلكترونيات الاستهلاكية والبلاستيك الصناعي والبنى الهندسية الخاصة.

## D4B

### Anadolu MikronizeMadencilik San Ve

### Tic As

Oruçreis Mahallesi Tektiikent Caddesi

Koza Plaza A Blok No 17 K:5 Esenler

Istanbul 34235

تركيا

هاتف: +90 212 583 11 31

فاكس: +90 212 583 11 82

البريد الإلكتروني: demet@anadolumikronize.com.tr

موقع الويب: www.anadolumikronize.com/tr

تتمثل رؤيتها في توفير منتجات كربونات الكالسيوم، المصنعة وفق أعلى معايير النقاء والبياض تحت العلامة التجارية ANDCARB. إلى جميع المصنعين في تركيا وكافة أنحاء العالم والمساهمة في التنمية الاقتصادية الإقليمية.

## Q3

### Anhui Kingcham New Materials

Sanhe Town Industrial Zone

Hefei City, Anhui, 231000

جمهورية الصين الشعبية

هاتف: +86 183 2605 9292

البريد الإلكتروني: sales@kingcham.com

موقع الويب: www.kingcham.com

**جهة الاتصال في منصة العرض:** بروس

Anhui Kingcham هي تصنيع إضافات مساحيق

الطلاء التي تتكامل مع أعمال البحث والتطوير والإنتاج

والمبيعات والخدمات.

وهي تخصص في مواد إطفاء الألوان، ومواد التسوية

ومواد القوام والشمع ومواد التصليد TGIC/HAA والبنزيون

والإضافات الأخرى لمسحوق الطلاء.

## F6

### Anhui Shenjian New Materials Co Ltd

No 8 Baoshun Road

Qiaobei Industrial Park

Wuhu, Anhui 241008

جمهورية الصين الشعبية

هاتف: +86 1390 963 6012

فاكس: +86 55 3531 6330

البريد الإلكتروني: tongmeng@shen-jian.com

موقع الويب: www.shen-jian.com

**جهة الاتصال في منصة العرض:** تونغ منج

تعد Anhui Shenjian New Materials Co Ltd منتجاً

رائداً لراتنج البوليستر المشبع لمساحيق الطلاء. تأسست

Shenjian عام 1989 ولديها قدرة إنتاج 210,000 طن/العام

من راتنج البوليستر. واليوم، تعد Shenjian واحدة من أكبر

منتجي راتنجات البوليستر المشبعة (مجال مساحيق

الطلاء) في العالم.

## S5

### Anichem FZCO

جبل علي

دبي، 18312

الإمارات العربية المتحدة

هاتف: +971 4883 1314

فاكس: +971 4883 1315

البريد الإلكتروني: arun@alnahdainternational.com

موقع الويب: www.alnahdafz.com

**جهة الاتصال في منصة العرض:** أرون فيجايان

تعمل Anichem على توزيع الكيماويات في المنطقة منذ

أكثر من 35 عامًا. وتتراوح المنتجات من الأسيتات والأكريلات

والكحوليات وإيتير السليلوز والإضافات والجليكولات

والكيتونات والمذيبات ومستحلبات البوليمرات وRDP.

تؤمن ال بأهمية إقامة علاقات أعمال طويلة الأمد. ومن

ثم تسعى لإنشاء علاقات قوية مع الموردين الدوليين

أصحاب الجودة.

## D5A

### Arabian Company Calcium Carbonate

### Production

المنطقة الصناعية الثالثة طريق جيزان

صندوق بريد 1563، جدة 21441

المملكة العربية السعودية

هاتف: +966 56 152 9298

البريد الإلكتروني: omar.elbadi@arabiancarbonate.com

arabiancarbonate.com

موقع الويب: www.arabiancarbonate.com

**جهة الاتصال في منصة العرض:** عمر البادي

من خلال عمليات التنقيب في المملكة العربية السعودية.

ومنشآت الإنتاج ومعمل البحث والتطوير. تقدم الكربونات

العربية جميع الدرجات المختلفة من كربونات الكالسيوم

إلى عملائها.

يتوفر كربونات الكالسيوم بدرجات الطبيعي والمطلي

والذي يحمل العلامة التجارية ArabianCarb® بأحجام

# معرض الشرق الأوسط للطلاء 2018

مركز دبي الدولي للمؤتمرات والمعارض، الإمارات العربية المتحدة  
21-19 مارس 2018

## مرحبًا بكم في دبي



### بالنيابة

عن زملائي فإنه لمن  
دواعي سروري أن أرحب  
بكم مرة أخرى في

مركز دبي الدولي للمؤتمرات والمعارض في معرض الشرق الأوسط للدهانات 2018، الذي تنظمه dmgs :: events

يشهد معرض الشرق الأوسط للدهانات 2018 بدبي الآن عامه الخامس والعشرين وهو لا يزال المعرض الوحيد المتخصص في مجال الدهانات في الشرق الأوسط ومنطقة الخليج لموردي المواد الخام ومصنعي المعدات لصناعة الطلاء. يواصل قطاع الدهانات نموه في جميع أنحاء الشرق الأوسط ويُعد معرض الشرق الأوسط للدهانات بلا شك واحدًا من المناسبات الرئيسية في عالم صناعة الدهانات. ويوفر الفرص لموردي المواد الخام الكيماوية ومصانع المعالجة ومعدات الاختبار.

إن معرض الشرق الأوسط للدهانات هو مناسبة تُنظم لمدة ثلاثة أيام وسوف يُسمح لك بقضاء المزيد من الوقت في استكشاف متطلبات أعمالك وسُنتاح لك فرصة للعودة لزيارة ثانية أو لإحضار الزملاء للالتقاء ومناقشة احتياجاتك.

بروج معرض الشرق الأوسط للدهانات 2018 بدبي لأحدث تقنيات الدهانات والطلاء لتلبية الاحتياجات البيئية والصناعية. إنه أفضل فرصة لتحقيق الاستفادة القصوى من منتدى التواصل الدولي ولقاء ممثلين عن كبار المصنعين والموردين في العالم.

ستقدم الشركات العارضة سلسلة من العروض التجارية خلال أول يومين داخل القاعة حيث يكون جميع الزائرين مدعويين للحضور مجانًا. لذلك لا تفوت هذه الفرصة الرائعة لتكون أول من يطلع على أحدث التطورات والتقنيات والحلول.

بالإضافة إلى ذلك، يتم كل يوم نشر Show Dailies، التي تسلط الضوء على الأخبار والآراء لتوجيه الزائرين للاستفادة من الفرص التجارية المحتملة.

الجهة المنظمة:

The Coatings Group

PPCJ  
POLYMERS PAINT COLOUR JOURNAL

### صورة الغلاف

تُعد شركة أنظمة التلوين (TSC) أحد موفري حلول التلوين الشاملة المرتبطة بصناعة الطلاء والدهانات والمواد المركبة. يقع مقر الشركة في المملكة العربية السعودية وتقدم خدماتها للعملاء في منطقة الشرق الأوسط وشمال أفريقيا ومنطقة آسيا والمحيط الهادئ وأوروبا على مدى أكثر من عقد من الزمان. وقد استطاعت TSC في غضون فترة قصيرة من إنشائها تأسيس معيار قياسي في هذه الصناعة من خلال التشكيلة الواسعة التي توفرها من ملونات نقطة البيع ومعالجين الصبغات المصنعة داخليًا بما يناسب التطبيقات المعمارية والصناعية. تفضلوا بزيارتنا في الجناح رقم H2

## المحتويات

C2	بيانات الشركات العارضة
C30	العارضون A-Z
C30	العثور على منتج
C33	عروض الأعمال
C36	مخطط أجنحة المعرض

وأخيرًا، يسرني أن أعلن أن معرض الشرق الأوسط للدهانات سيعقد سنويًا في دبي وسيُعقد كل سنتين في القاهرة. وسوف يُعقد معرض الشرق الأوسط للدهانات 2019 التالي في شهر أكتوبر. وسيوفر فرصة لتوسيع علاقات التعاون في هذه المنطقة. أمل أن تكون زيارتك إلى معرض الشرق الأوسط للدهانات مجزية ومثمرة ونتمنى للزائرين الدوليين إقامة متعة في دبي.

إبان فو

نائب الرئيس

شركة dmgs events (MEA) Ltd



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