



**CURRENT ISSUE**

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## Content

### Editor's Note

#### Oasis in Desert—Uplifting “Industry News”

— Prof. Long Lin

Most readers would probably agree with me that, these days, newspaper headlines often do not make happy readings. Indeed, over the last couple of years, newspaper headlines have often made depressing readings, being dominated by all kinds of disastrous events.

### Market Watch

#### Functional Coatings, Part III: Responsive (Smart) Coatings

— George R. Pilcher, Vice President, The ChemQuest Group, Inc., USA

I have also mentioned in the past the distinction that I make between functional coatings and "smart" coatings. Functional coatings provide value beyond aesthetics to an object. An IR reflective coating provides not only a surface with a desirable colour, but also this coating reflects IR radiation from the sun back into outer space, minimising the electricity demand to keep a building cool.

### Protective Coatings

#### One Step Closer to Replacement of Solvent-Borne Coatings for 1K Corrosion Protection

— M. Secher & C. Baude, Synthomer, France

Recent case studies have highlighted the importance of corrosion protection and its impact on the global economy. It has been estimated that annual cost of corrosion to the European economy soon will be nearly 600 billion Euros and that implementation of corrosion protection best practices could result in 15 to 35% in annual cost savings.

#### Durability of Coatings Based on Sol-Silicate Paint

— Figovsky, L., Academician of EAS, Director R&D of ESTEROS Sp. Zoo, 3a, Shimkin St., Haifa, Israel; Loganina V.I., Professor, Penza State University of Architecture and Construction, Penza, Russia

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### UV Curable Technology

#### Radiometry: Measurement of UV Curing Process

— Sergio Medeiros, BRCHEMICAL, Brazil

In order to obtain the highest possible performance from your UV curing process, it is necessary to understand and measure your UV system. By carrying out this measurement correctly, some important actions can be performed.

### Regular Columns

#### Industry News

- Covestro breaks ground on two new production facilities in Shanghai
- IGM Resins strengthens market-leading position by acquiring Litian
- Birla Carbon creates unique virtual experience for carbon black customers
- Quinacridone pigments market projected to reach \$539 million by 2030
- Evonik increases production capacities for ACEMATT® matting agents
- Antiviral coatings market expected to reach USD 29.27 in 2027

#### Product Literature

- Evonik introduces TEGO® Dispers 658 sustainable dispersing additive
- Clariant's new Dispersogen® Flex 100: the choice for superior and sustainable pigment preparations
- Krylon launches Rust Tough with anti-rust technology
- PPG achieves industry first with the launch of PPG ENVIROCRON LUM retroreflective powder coating
- AkzoNobel launches International® Interzone® 945GF coating with lower VOC
- Axalta launches Plascoat PPA 742 single-layer thermoplastic primer solution
- IGL Coatings launches Ecocoat Armor
- Solvay develops specialised UV-C stabilisers for the protection of polyolefin surfaces
- Hempel launches new fast-drying CUI coating
- Nouryon launches Expancel® HP92 microspheres to reduce weight and withstand high pressure in underbody coatings and sealants for the automotive industry

#### Global Trade Shows, Conferences & Forums

#### Advertisers' Index



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