

Reviews



Coatings Formulation

Bodo Müller, Ulrich Poth, Vincentz Network, Hanover, Germany, 2011, 2nd revised edition, 292 p., hardcover, EUR 139.00, ISBN 978-3-86630-872-5

The new second revised edition of the book **Coatings Formulation** provides detailed explanations of new recipes and paint formulations in two steps: It opens with a look at the composition of coatings, placing special emphasis on the base binder in each type. Advice on specific formulations is then given before formulation guidelines are analysed. This analysis consists in calculating the important characteristic values of coatings, such as the pigment/binder ratio,

pigment volume concentration and, as necessary, the hardener addition level. Throughout, the focus is on coatings formulation and how to arrive at the final recipe. Examples of how to develop a real-life paint formulation are provided in the case of the most important types of coatings. All calculations based on recipes and formulations are worked through step by step and should therefore be intelligible to beginners, as well.

Market Study: Flame Retardants

Ceresana Research, Konstanz, Germany, 2011, 780 p., two volumes, from EUR 1,895

The new **Market Study: Flame Retardants** by Ceresana Research forecasts that global flame retardant revenues will rise to approximately USD 5.8 billion by 2018. According to the study, demand is above all growing in the Asia-Pacific region, with China registering the greatest increase of 7 % per year. As environmental restrictions mainly impact halogenated flame retardants, less controversial alternatives are being developed. The demand for organophosphates and different inorganic flame retardants is rising by 3.5–4.3 % per year, which is significantly faster than

for brominated or chlorinated flame retardants. The most widely used flame retardant is aluminium hydroxide (ATH), which is anticipated to continue to dominate the market in 2018. The most important sales markets are construction materials – especially made from PVC – insulating materials, rubbers, adhesives, and paints & varnishes. The study includes a detailed description and analysis of consumption by product type, sales and prices. In addition, it contains a list of manufacturers with 246 company profiles.

Events



SPE Automotive Innovation Awards 2011

The **Automotive Division** of the **Society of Plastics Engineers (SPE)** has announced the date, location, and theme for its 41st annual **Automotive Innovation Awards**, the oldest and largest recognition event in the automotive and plastics industries. This year's event will be held under the theme "Passion to Innovate" on **9 November 2011** in **Livonia, MI, USA**. The event typically draws 600–800 OEM engineers, automotive and plastics industry executives, consultants, and media.

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Adhesives for wind and solar technology

Vincentz Network is organising the European Coatings Conference **Adhesives for wind and solar technology** from **22–23 November 2011** in **Berlin, Germany**. This new conference will discuss latest technology developments as well as novel raw materials in adhesives for the wind solar energy industry. Further interesting Vincentz Network conferences in Berlin are **Automotive coatings** from **24–25 November 2011** and **Construction chemicals** from **13–14 December 2011**.

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Fire Resistance in Plastics 2011

Applied Market Information Ltd. (AMI) will host its sixth conference on **Fire Resistance in Plastics** under the motto "Trends and technical developments in the international flame retardant industry" from **29 November – 1 December 2011** in **Cologne, Germany**. The programme features 17 technical lectures in four sessions.

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