

Booth No.: C01, Hall No.: E4, Shanghai New International Expo Centre

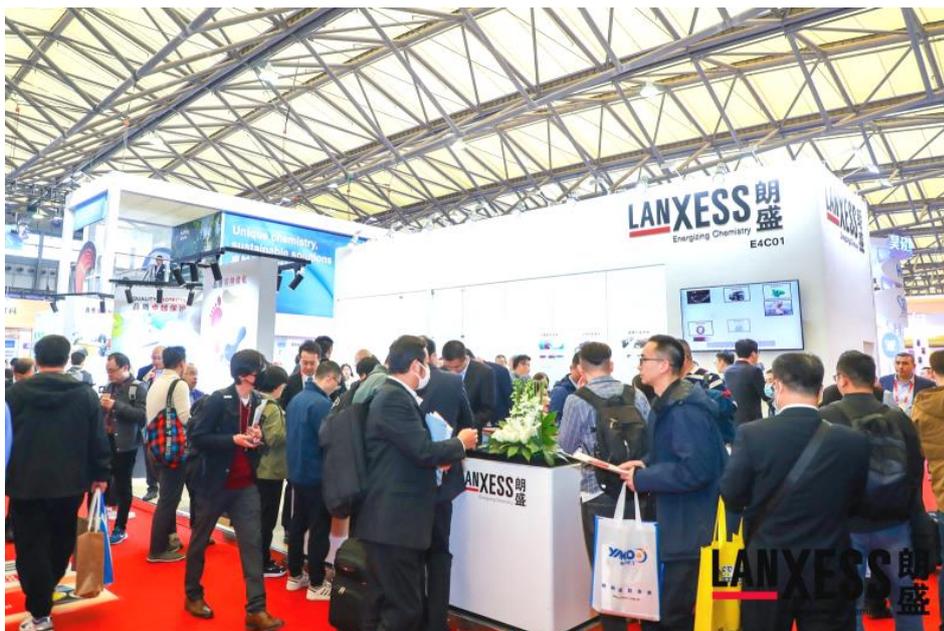
**LANXESS Greater China
Contact:**

LANXESS exhibits at CHINACOAT 2023

Shanghai, November 15, 2023 - Specialty chemicals company LANXESS is exhibiting at CHINACOAT 2023 in Shanghai from November 15 to 17. The company, with its business units Inorganic Pigments (IPG), Material Protection Products (MPP) and Urethane Systems (URE), is showcasing products, technologies and solutions for the paints and coatings industry that are both efficient and sustainable.

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Inorganic pigments live up to the demanding requirements of the paints and coatings industry

LANXESS offers a comprehensive portfolio of products including Bayferrox® red, yellow, black and brown iron oxides, as well as Colortherm® chromium oxide green inorganic pigments. Among these colors, LANXESS also provides a total of more than 100 different hues for use in a wide variety of applications, such as architectural concrete, paints, coatings, plastic coloring and so on.

The paints and coatings industry, in particular, is more demanding than other industries in terms of pigment quality and processing properties. Bayferrox® has gained a strong reputation in this industry due to its unique product properties.

Bayferrox® pigment grades are known for their high dispersibility, and they can be dispersed quickly, simply and safely in applications. Though micronization (a strong grinding process), the caking level of pigments can be remarkably reduced. In addition, it also features light resistance and weatherability, which can ensure the high consistency of the paint system.

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LANXESS also demonstrated iron oxide pigments for special applications in the paint and coating industry. Different from ordinary needle-shaped iron-oxide yellow pigments, LANXESS' "low-silking" pigments are almost all spherical in structure. Therefore, the influence of the coating direction is minimal, and the viscosity of the paint system is low.

Transparent life cycle assessment

LANXESS recently became the first manufacturer of synthetic iron oxide pigments to offer verified comprehensive information on the environmental performance of Bayferrox® pigments according to the cradle-to-gate approach. "We expect the demand for detailed LCA data across the entire supply chain to grow exponentially. Our customers from the coatings industry are already working on specific strategies to reduce emissions across their supply chains," says Daniela Schmitt, Head of Global Marketing at the IPG business unit.

The raw materials used by suppliers are therefore increasingly coming into focus. EPDs (Environmental Product Declaration) provide buyers with a reliable basis for comparing the products of different raw material suppliers. Here is an example: In principle, products are assessed holistically with regard to all environmental impacts on the basis of an EPD. Particularly in the case of the raw materials used, the focus is currently strongly on the Product Carbon Footprint (PCF) reported there. Bayferrox® pigments for which an EPD is available have a PCF of approximately 1.5 - 2.2 kg CO₂ equivalent/kg product, as confirmed by independent auditors. This value can now be compared with that of other products to make a suitable selection in terms of sustainability.

Green and excellent paint protection scheme

In order to protect materials from microbial attack and destruction, LANXESS showcased a combination of high-performance preservatives and fungicides for the paint and coating industry.

Among others, Biox® series of anti-mildew agent is used in protective coatings to protect indoor walls and household wood products, so as to make paint layer smooth and aesthetic for long, and avoid mildew caused by moisture. In some of the most well-known formulations of wood protective coatings, the mildew remover is an essential core component. Biox® M245 and M228 are excellent enough to meet GB/T 1741 requirements. Biox® M848, which features powerful mildew resistance, can even comply with China's Evaluation Standard for Green Building. Besides, Preventol Next fungicide can effectively resist various fungi and molds that destroy the dyeing of

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indoor wooden furniture, and prevent the economic and quality loss caused by biodegradation of wooden materials.

The most remarkable highlight of Preventol Next products lies in its innovative slow-release technology, which can help to produce high-quality products with high efficiency and environmental friendliness. Its active ingredients are embedded in a compound, so that the active ingredients are released slowly. As aqueous dispersions, this series of products has higher leaching stability, longer validity period and lower dosage (reducing the risk of yellowing) compared with “traditional” dispersions.

In addition to various products, LANXESS also has extensive legal expertise and advanced microbiology, application and research laboratories to tailor solutions for customers.

Leader in customized PU solutions

As much as 25 million tons of anthropogenic volatile organic compounds (VOCs) are emitted in China each year. In view of this, the Ministry of Ecology and Environment issued the Volatile Organic Compounds Tackling Plan 2020, hoping to improve the capability of controlling VOCs through tackling actions, thereby significantly reducing VOC emissions.

URE exhibits a host of environmentally friendly special waterborne polyurethane dispersions (PUDs) and aqua blocked curing agent which help the coating industry to effectively control VOC emissions. Among them, Trixene aqua blocked curing agents with low VOCs drew much attention. These products are stable in waterborne coating system at room temperature, and de-blocked to cure at 100-120 degree C to increase the properties of coatings. They are widely used in textile coating, film coating, plastic coating and metal coating, etc. as a waterborne water-repellent agent for the surface coating of waterproof clothes.

Moreover, URE exhibits a special waterborne PUD series which is resistant to yellowing, solvents, hydrolysis and chemicals. It is widely

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Press Release



used in functional coatings for leather, textiles, plastic, wood, metals, fiber, stone, glass, automobiles and other industries. The well-designed PU system can adapt to harsh environments and provide excellent process performance, laying the basis for creating high-quality products.

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Press Release

About LANXESS

LANXESS is a leading specialty chemicals company with sales of EUR 8.1 billion in 2022. The company currently has about 13,000 employees in 32 countries. The core business of LANXESS is the development, manufacturing and marketing of chemical intermediates, additives and consumer protection products. LANXESS is listed in the leading sustainability indices Dow Jones Sustainability Index (DJSI World and Europe).

LANXESS China

On January 31, 2005, the company was initially listed on the Frankfurt Stock Exchange and LANXESS Chemical (China) Co., Ltd. officially started operations. LANXESS now has 13 subsidiaries, 5 R&D centers and 5 production sites in Greater China. LANXESS works closely with its local partners to develop market-oriented solutions that meet local market needs.

Forward-Looking Statements

This company release contains certain forward-looking statements, including assumptions, opinions, expectations and views of the company or cited from third party sources. Various known and unknown risks, uncertainties and other factors could cause the actual results, financial position, development or performance of LANXESS AG to differ materially from the estimations expressed or implied herein. LANXESS AG does not guarantee that the assumptions underlying such forward-looking statements are free from errors, nor does it accept any responsibility for the future accuracy of the opinions expressed in this presentation or the actual occurrence of the forecast developments. No representation or warranty (expressed or implied) is made as to, and no reliance should be placed on, any information, estimates, targets and opinions, contained herein, and no liability whatsoever is accepted as to any errors, omissions or misstatements contained herein, and accordingly, no representative of LANXESS AG or any of its affiliated companies or any of such person's officers, directors or employees accept any liability whatsoever arising directly or indirectly from the use of this document.

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