

150 years



News Release

BASF launches new bio-based Polyol for VOC free* 2K PU applications

- **Sovermol® 830 promotes sustainable development for industrial flooring systems, coatings exposed to potable water and semi-structural adhesives**
- **Excellent hardening and mechanical characteristics even under difficult conditions**

BASF has extended its range of high-quality bio-based polyols sold under the Sovermol® trademark. The products are used for manufacturing extremely low-emission 2K PU coatings for interior and exterior applications. With Sovermol® 830 BASF is launching a new polyol that makes indoor floorings, e.g. in industrial warehouses or sports halls, more resistant. As the resin is produced from renewable raw material and contains no volatile organic compounds* (VOC) it greatly contributes to the production of more sustainable coatings with particularly high levels of stability and durability.

Due to a specific chemical modification, the complex polyether-ester polyol has excellent water-repellent properties. It exhibits excellent curing properties, even in challenging curing environments with high humidity and temperature. Due to its high filling levels and low processing viscosity, Sovermol 830 helps to lower the overall cost of a formulation. In addition, the shore D hardness of this thermoplastic material exceeds 60. Despite the extended processing time of Sovermol 830, the material can be walked on after one day only, which ensures shorter downtimes and, consequently, lower costs.

The polyol can be used in coatings for industrial floorings, coatings exposed to potable water and semi-structural adhesives. Apart from its excellent abrasion and impact resistance, the product shows

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outstanding flexibility even at low temperatures, which prevents cracks from spreading in the substrate. It is therefore the ideal solution for durable coatings. A list of the raw materials that are used to produce the polyol in the “Guideline for the hygienic assessment of organic coatings exposed to potable water” dated June 17, 2013 completes the product profile.

BASF offers coatings producers appropriate high-performance additives that can be combined with Sovermol 830. In addition, the company’s portfolio comprises suitable cross-linkers and co-binders that enable customers to achieve the required mechanical properties.

* VOC-free according to the “Paints Directive” (Directive 2004/42/EC of the European Parliament and of the Council of April 21, 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC)

About BASF’s Dispersions & Pigments division

The Dispersions & Pigments division of BASF develops, produces and markets a range of high-quality pigments, resins, additives and polymer dispersions worldwide. These raw materials are used in formulations for coatings and paints, printing and packaging products, construction chemicals, adhesives, fiber bondings, plastics, paper as well as for electronic applications such as displays. With its comprehensive product portfolio and its extensive knowledge of the industry, the Dispersions & Pigments division offers its customers innovative and sustainable solutions and helps them advance their formulations. For further information about the Dispersions & Pigments division, please visit www.dispersions-pigments.basf.com.

About BASF

At BASF, we create chemistry – and have been doing so for 150 years. Our portfolio ranges from chemicals, plastics, performance products and crop protection products to oil and gas. As the world’s leading chemical company, we combine economic success with environmental protection and social responsibility. Through science and innovation, we enable our customers in nearly every industry to meet the current and future needs of society. Our products and solutions contribute to conserving resources, ensuring nutrition and improving quality of life. We have summed up this contribution in our corporate purpose: We create chemistry for a sustainable future. BASF had sales of over €74 billion in 2014 and around 113,000 employees as of the end of the year. BASF shares are traded on the stock

exchanges in Frankfurt (BAS), London (BFA) and Zurich (AN). Further information on BASF is available on the Internet at www.basf.com.