News Release

BASF launches new Acrodur® binder for automotive lightweight composites

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Dispersions & Pigments
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- **Low-emission Acrodur® Power 2750 X helps produce cost-efficient lightweight composites with integrated functions and a higher share of natural fibers**
- **Model part on Acrodur® Power 2750 X basis to be presented at the "JEC Composites Show" in Paris**

Ludwigshafen, Germany – March 2, 2015 – BASF is launching a new binder – Acrodur® Power 2750 X. The product is designed for the production of natural fiber composites for automotive lightweight applications such as interior car door panels or shelves. As a low-emission alternative to formaldehyde-based reactive resins, Acrodur Power 2750 X gives natural fiber composites high mechanical stability. At the same time, the product offers thermoplastic processability and, unlike traditional thermoplastic binders based on polypropylene, it allows the use of up to 75 percent natural fibers in lightweight components.

At the JEC Composites Show, one of the globally leading trade fairs in the composites industry taking place in Paris from March 10 to 12 this year, BASF is going to present at its booth F51 in hall 7.2 a functionalized natural fiber lightweight composite based on Acrodur Power 2750 X.

Environmentally-friendly and health-compatible lightweight components

"Due to the use of Acrodur Power 2750 X, natural fiber components are up to 40 percent lighter than conventional plastic products. This results in cars that consume less fuel and have fewer carbon

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emissions," explains Claus Dallner, Head of Marketing for Dispersions for Fiber Bonding at BASF.

The water-based binder Acrodur Power 2750 X is a health-compatible alternative to conventional formaldehyde-based reactive resins: Neither during processing nor as part of the final product does it release any organic substances. This offers greater safety at work for the user, who no longer needs to invest in exhaust air treatment systems. In addition to this, the binder helps to improve the ambient air quality inside cars.

Making it easier and more cost-effective to produce high-performance components

Natural fibers bonded with Acrodur Power 2750 X can be processed using traditional thermoplastic cold-forming methods and be combined in one single process step with complex plastic elements such as reinforcing ribs or supports. The product helps to save both system and process costs. Acrodur Power 2750 X combines these benefits with great mechanical component stability. Furthermore, the pre-impregnated natural fibers boast a long shelf-life.

"With its novel Acrodur Power 2750 X product BASF offers the automotive and component-supplying industry an innovative, environmentally-friendly solution that preserves resources and helps reduce the weight and costs of natural fiber composites," underlines Vice President Jürgen Pfister, responsible for the dispersions business of BASF for adhesives and fiber bonding in Europe. "As a strong development partner in the value chain, equipped with a comprehensive portfolio and far-reaching technical expertise, we help customers all over the world to differentiate from their competitors."

The low-emission Acrodur binders are used to reinforce natural fiber composites before these can be processed into molded components. They are also used for the production of high quality lightweight applications in the furniture and automotive industry. Due

to their 3D plasticity, the binders help create attractive design options with a natural fiber look and feel.

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.