Press release

Evonik introduces new hybrid crosslinker VESTANAT® EP-EF 201

January 11, 2019

Specialized Press Contact
Carolin Kather
Resource Efficiency
Phone +49 2365 49-9011
Carolin.kather@evonik.com

Essen/Nuremberg, Germany. Evonik will be introducing the latest addition to the VESTANAT® product family at the European Coatings Show. As a constituent of one-component clear coatings, the new VESTANAT® EP-EF 201 silane/polyurethane hybrid crosslinker imparts a particularly sophisticated visual appearance to metal and wood coatings. The environmentally friendly crosslinker contains only very small amounts of volatile organic compounds. It is suitable for both professional use and do-it-yourself applications. Coatings formulated with it are very easily processed: They cure even at room temperature and are dry after just one hour, thus allowing fast downstream processing.

"Environmental aspects such as low solvent content are playing an increasingly important role in consumers' purchasing decisions. With VESTANAT® EP-EF 201 we are helping to meet our customers' requests in this regard, enabling them to formulate especially high-performance, but low-emission, coatings," says Dr. Guido Streukens, head of VESTANAT Technical Service.

At the trade show in Nuremberg, Evonik will also provide visitors with information about other products in the VESTANAT® EF/MF family. All of these combine the advantages of silane chemistry with those of polyurethanes—and so provide excellent scratch resistance with simultaneous retention of polyurethane properties in coatings.

The optimal crosslinker is selected from the various options depending on the substrate and curing temperature. VESTANAT® EP-MF 203 and VESTANAT® EP-MF 204 are solvent-free, ready-to-use hybrid crosslinkers that cure even at room temperature. They can be used as moisture-curing binders or in combination with suitable co-binders such as acrylic resins. The proven unaccelerated crosslinkers of the VESTANAT® EP-M grade, on the other hand, are used when temperatures of 80°C to 160°C are reached during the coating process.

Evonik Resource Efficiency GmbH
Rellinghauser Straße 1-11
45128 Essen
Phone +49 201 177-01
Fax +49 201 177-3475
www.evonik.com

Further information will be provided in the presentation
"Si/PUR hybrid crosslinkers: one step ahead of high performance"
by Tobias Unkelhäußer, Senior Manager Technical Service,
between 12.10 and 12.30 on March 19, 2019, at stand 544 in hall 9 at the ECS trade show,

and online at www.evonik.com/m-family

About Evonik

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-orientated innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik's corporate strategy. They are the lever for profitable growth and a sustained increase in the value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world with more than 36,000 employees. In fiscal 2017, the enterprise generated sales of €14.4 billion and an operating profit (adjusted EBITDA) of €2.36 billion.

About Resource Efficiency

The Resource Efficiency segment is led by Evonik Resource Efficiency GmbH and produces high performance materials and specialty additives for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and many other industries. This segment employed about 10,000 employees, and generated sales of around €5.4 billion in 2017.

About Crosslinkers

The Crosslinkers Business Line offers a broad range of products and competences for coatings and adhesives, civil engineering as well as for high-performance elastomers and composites. In addition to products based on isophorone chemistry, the product portfolio contains a full tool box of amine curing agents for ambient and heat cure applications. The products are mainly used in industrial applications due to the mechanical strength, durability, chemical resistance and excellent adhesion properties.
www.evonik.com/crosslinkers

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