

New acrylic based foam core for composite sandwich design: Learn more about ROHACRYL™ at JEC World in Paris

A new development in core material technology from Evonik Industries, Essen, will make its debut at JEC World 2018 in Paris. The newcomer to the Performance Foam family of products is ROHACRYL™ – an acrylic chemistry based structural foam with high potential for composite applications.

ROHACRYL™ foam is a core material solution that has excellent mechanical properties and is thermally stable. It is lightweight, easy to shape and environmentally friendly.

The new foam product is the newest material solution from Performance Foams Product Line, a business that is already well-known worldwide for providing high performance ROHACELL® PMI foam. Its structural core material products have been used for more than 40 years in industries that include aerospace, automotive, electronics, medical technology, sports equipment and others. The new ROHACRYL™ product introduction represents Evonik's next step in expanding its wide range of product offerings to customers in the composites market around the world.

Driving initial development of ROHACRYL™ was the Wind Energy industry trend toward increasingly longer turbine blades that must meet demanding requirements. Ideally, materials used in blade production should be lightweight while providing both higher mechanical properties and an ability to remain stable when cured at high temperatures. Multiple material solutions in the market offered either high mechanical properties or withstood a high curing temperature, but not until the introduction of ROHACRYL™ foam has a core material solution offered both in a single product. Other industries with similar efficient production methods may find the new product interesting for their applications.

A shaped ROHACRYL™ foam core will be on display in the Evonik booth located at J40 in Hall 5. Representatives will be on hand to share product details and discuss whether it is the perfect core material solution for interested customers.

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Contact specialized press

Dr. Ursula Keil
High Performance Polymers
Phone +49 2365 49-9878
ursula.keil@evonik.com

Contact at the booth

Dr. Sivakumara Krishnamoorthy
High Performance Polymers
Phone +49 172 2841023
Sivakumara.krishnamoorthy@evonik.com

Evonik Resource Efficiency GmbH

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

Supervisory Board

Dr. Harald Schwager, Chairman

Managing Directors

Dr. Claus Rettig, Chairman
Dr. Johannes Ohmer,
Simone Hildmann,
Alexandra Schwarz

Registered Office: Essen
Register Court: Essen Local Court
Commercial Registry B 25783
VAT ID no. DE 815528487

Company information

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 2016, the enterprise generated sales of around €12.7 billion and an operating profit (adjusted EBITDA) of about €2.165 billion.

About Resource Efficiency

The Resource Efficiency segment is led by Evonik Resource Efficiency GmbH and supplies high performance materials for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and many other industries. This segment employed about 9,000 employees, and generated sales of around €4.5 billion in 2016.

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