

Press release

ArmaPET® Struct GRX: next generation in rPET foaming technology

- Structural foam core with homogenous and finer cell structure
- Optimised resin uptake improves the sandwich structure's weight and level of cost
- Reinforcing our commitment to environmental sustainability
- Available in a wide density range from 100-250 kg/m³

Luxembourg/Thimister, 8 November 2023 – Armacell, a global leader in flexible foam for the equipment insulation market and a leading provider of engineered foams, today announces the launch of its latest innovation, the new ArmaPET Struct GRX solution. This cutting-edge development in recycled PET foam core technology delivers significant improvements in sandwich structure production with greater efficiency, cost savings, and sustainability.

Transparency and commitment

Entirely made from recycled plastic bottles, ArmaPET Struct GRX reinforces Armacell's commitment to sustainability and offers an optimised resin uptake process that drastically improves the weight and cost of sandwich structures. Its remarkable thermal and dimensional stability safeguards high-quality production, while its outstanding fatigue resistance ensures long-term performance and low lifetime maintenance.

New ArmaPET Struct GRX boasts a more homogenous and finer cell structure compared to previous generations resulting in enhanced shear properties. *"We strive for continuous improvement of our product solutions – based on our customers' needs. ArmaPET Struct GRX provides significant savings in resin uptake to further optimise weight and cost savings."* says Bart Janssen, Armacell's Vice President Engineered Foams & Energy.

Striving for excellence

Extensive testing conducted by Armacell proves that ArmaPET Struct GRX exhibits comparable or even superior mechanical performance to its predecessors – for example, its adjusted foam recipe delivers an increase of up to 30 percent in shear properties. This latest product innovation heralds a new era for rPET foaming technology, offering customers unparalleled efficiency gains, cost optimisation, and a sustainable solution.

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About Armacell

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With more than 3,300 employees and 27 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams, and generated net sales of EUR 806 million and an adjusted EBITDA of EUR 121 million in 2022. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.

For more information, please visit: www.armacell.com

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