

## Press release

### Armacell's new PET-based insulation for energy-efficient construction

- Introducing ArmaPET® Eco50, the low-density structural insulating foam
- $\lambda$ -value: 0.028
- Thickness of up to 200 mm with various dimensions
- Based on 100% recycled PET

Luxembourg/Thimister, 16 March 2022 – Armacell, a global leader in flexible foam for the equipment insulation market and a leading provider of engineered foams, today announced the official launch of ArmaPET Eco50, the company's new solution for the structural insulation of building envelopes, roofs and floors, as well as for load-bearing applications such as under-slab insulation, both in the construction of new buildings and renovation of older ones. ArmaPET Eco50 is the first polymeric insulation based on 100% recycled PET, combining an outstanding environmental profile with the stringent requirements of building construction. As part of the ArmaPET Eco range, this low-density product solution is optimised for energy-efficient structural applications. It improves life-cycle costs and a building's carbon footprint in combination with a multitude of further benefits, ranging from mechanical stability and low maintenance requirements to standard-compliant fire behaviour and assured lifetime insulation performance.

#### Reliable lifetime insulation performance

With a density of just 50 kg/m<sup>3</sup>, ArmaPET Eco50 achieves an outstanding insulating performance of 0.028 W/mK at 40°C. The excellent water resistance and closed-cell structure of the material ensures stable thermal conductivity, even after many years of operation. As these features also prevent moisture penetration, mildew and rot, they provide long-term corrosion protection while keeping maintenance to a minimum.

Additional benefits, which greatly facilitate the installation of ArmaPET Eco50, are its broad range of thicknesses (up to 200 mm) and its flexible dimensions. In addition, it is lightweight yet robust and highly compatible with organic and mineral adhesives, which also facilitates fast and easy handling.

## Recycled PET material supports industry's environmental directives

Thanks to Armacell's patented rPET technology, ArmaPET Eco50 is based on 100% recycled PET and fully recyclable at the end of its life cycle. It contains no halogenated compounds or CFCs/HFCs that might negatively impact its disposal or recycling scenarios. *"Installation waste and demolition scrap management are easier than for the main competing materials, such as polystyrene, polyurethanes or polyisocyanurates. It is the first truly recycled and recyclable solution for the building market,"* says Thomas Kessel, General Manager, PET Foams, Armacell.

Primarily designed for building and construction applications, ArmaPET Eco50 can be used in any application requiring structural insulation. *"The potential list of applications is practically endless, ranging from super-structures of refrigerated and recreational vehicles to industrial halls, food trolleys, and much more,"* explains Henri Chapelle, Sales & Marketing Manager, PET Foams, Armacell. *"Wherever efficiency and safety in the refrigeration supply chain are required, or resource-saving construction is called for, ArmaPET Eco50 provides benefits in energy consumption and the reduction of CO<sub>2</sub> emissions during temperature-controlled operations. All key drivers for ensuring reduced overall life-cycle costs,"* he adds.

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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, acoustic 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 3,200 employees and 24 production plants in 16 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams, and generated net sales of EUR 677 million and adjusted EBITDA of EUR 117 million in 2021. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

For more information, please visit: [www.armacell.com](http://www.armacell.com)

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