

Press release

ArmaPET® Eco50: first-ever EPD for PET-based insulating foam

- Independently verified EPD compliant with ISO 15804 and ISO 14025
- Insulating foam based on 100% recycled plastic bottles
- Enabling green building construction and helping to reduce greenhouse gas emissions

Luxembourg/Thimister, 23 March 2022 – Armacell, a global leader in flexible foam for the equipment insulation market and a leading provider of engineered foams, is delighted to announce the publication of an Environmental Product Declaration (EPD) for ArmaPET Eco50, the new insulating solution for energy-efficient, green buildings. Made from recycled PET and foamed into a lightweight, robust board, ArmaPET Eco is used in building envelopes, roofs, floors and internal partitions as well as in load-bearing applications such as under-slab insulation, both in the construction of new buildings and renovation of older ones.

Transparency and commitment

Certified by the Institut für Bauen und Umwelt e.V. (IBU), this EPD provides transparent, independent and reproducible analysis of the environmental impacts of ArmaPET Eco50. It gives detailed information, including sound data and figures, on the extent to which the product contributes to the greenhouse effect, acidification, over-fertilisation, smog and depletion of the ozone layer. The information provided is based on the international ISO 14025 standard and the European EN 15804 standard for construction products. The declaration is a cradle-to-gate EPD and registered on the IBU database system.

“With the world experiencing climate change, a shortage of finite resources and rapid urbanisation, the sustainable construction and operation of buildings have become an increasingly important issue. We are creating products that reduce a building’s energy consumption and otherwise help to improve its environmental footprint,” says Thomas Kessel, Managing Director, PET Foams, Armacell. *“With this Environmental Product Declaration, we have achieved a unique degree of transparency for our new ArmaPET Eco50 product. We are thus providing architects, design engineers, builders and property owners with reliable information for designing sustainable building projects. At the same time, we are committing ourselves to continuing to improve the environmental friendliness of our products and sharpening our competitive edge,”* continues Kessel.

Contributing to more sustainable construction

ArmaPET Eco50, a low-density foam based on 100% recycled plastic bottles, contributes to the sensible use of plastic waste and makes it possible to construct buildings that are more energy-efficient and have a reduced environmental impact throughout their long service life. In addition to having a resource-efficient raw material base, ArmaPET Eco50 is 100% recyclable at the end of its life cycle. *“In plastic waste terms, this is probably its greatest benefit. Installation waste and demolition scrap management are easier than for the main competing materials. And ArmaPET Eco50 contains no halogenated compounds or CFCs/HFCs that could negatively impact its disposal or recycling scenarios,”* Henri Chapelle, Global Sales and Marketing Manager, PET Foams, Armacell, points out.

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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.

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