

© Armacell, 2026

ArmaPET® MultiStruct

ArmaPET MultiStruct integrates multiple PET foam densities within a single consolidated panel, delivering optimised mechanical efficiency, superior stiffness-to-weight performance, and targeted reinforcement precisely where each application zone demands it.

www.armacell.com/armapet

- // **Multi-density PET foam core** eliminating secondary bonding requirements
- // **Advanced rPET thermal welding** for high structural integrity
- // **Strong insulation and mechanical performance**
- // **Excellent adhesive compatibility and screw-retention strength**
- // **100% recycled PET**, supporting sustainability and compliance

 **armacell**[®]
ArmaPET[®]

ArmaPET® MultiStruct

combines multiple PET foam densities into one high-performance core, delivering strength, insulation and bonding efficiency. Made from 100% recycled PET, it offers a lightweight, sustainable solution for demanding applications.

Technical specifications

Standard panel size: 2448 × 1220 mm

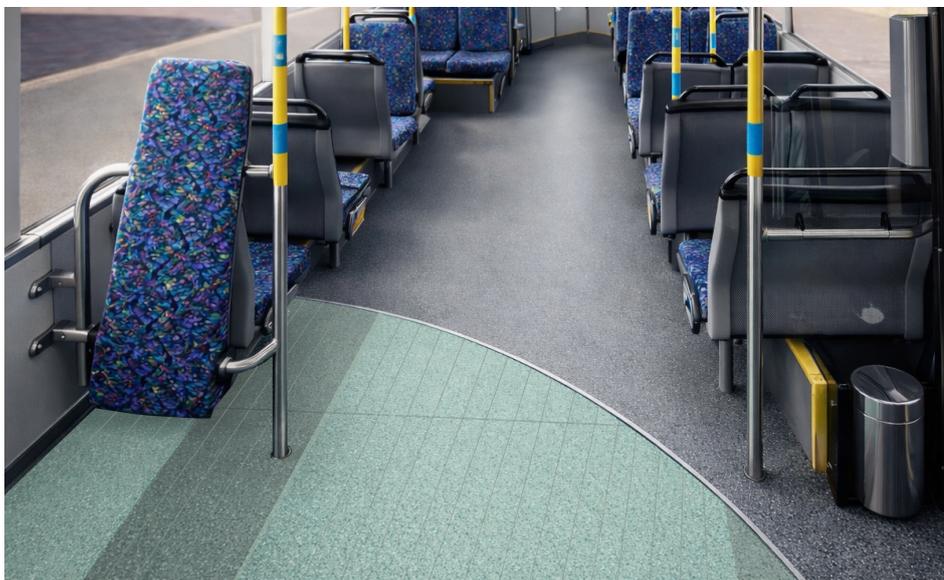
Density range: 65–250 kg/m³ with custom multi-density options

Zone tolerance: ±60 mm on density-transition areas

Mechanical properties are provided in the ArmaPET Struct technical data sheet, with values varying by density. Thickness options range from 5 to 200 mm, with nominal thickness set case by case.

Ordering information

Orders require full block utilisation to ensure each panel is tailored to project needs. Colour variation between densities is natural and serves as a clear visual marker of different structural zones.



www.armacell.com/armapet

// **High mechanical efficiency**, delivering a superior weight-to-performance ratio through engineered multi-density PET core structure

// **Customisable configuration** allowing precise control of density values and the positioning of high- and low-density zones to meet structural load demands

// **Proprietary PET foam technology**, providing a differentiated performance profile and clear competitive advantage

// **Optimised zone engineering** combines high-density regions for strength and screw-retention with low-density areas that reduce weight while maintaining structural integrity

 **armacell**
ArmaPET®