

CONVERTING

ArmaPET[®] Struct

ArmaPET Struct is available with a variety of finishing options such as grooving, gridscore, double contouring and perforation to assist with resin flow and air removal, or to allow curvature conformability.

www.armacell-core-foams.com

 **armacell**[®]
ArmaPET[®]

CONVERTING

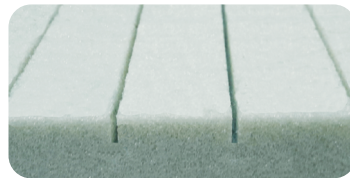
ArmaPET[®] Struct

GROOVED (GR, external)

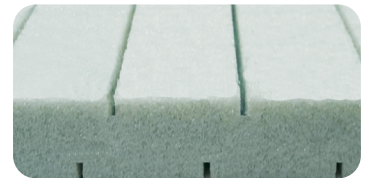
To promote resin flow and wet-out.

Standard board size	1008 x 1220 mm ⁽¹⁾
Groove pattern	30 x 30 mm
Width of cut	≤25 mm: 0.9 mm >25 mm: 1.2 mm
Depth of cut	2.0 mm
Minimum thickness	10 mm
Maximum thickness	≤ 135 kg/m ³ : 100 mm ⁽¹⁾ > 150 kg/m ³ : 50 mm ⁽¹⁾

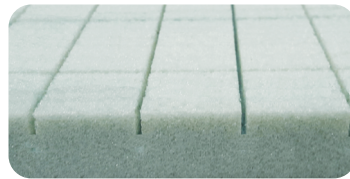
⁽¹⁾ Grooving in 1 direction, is available up to 1008 x 2448 mm, with a maximum thickness of 60mm.



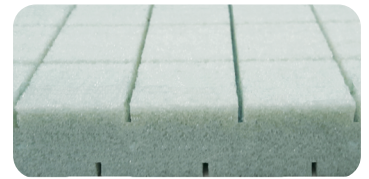
1 direction, 1 side



1 direction, 2 side



2 direction, 1 side

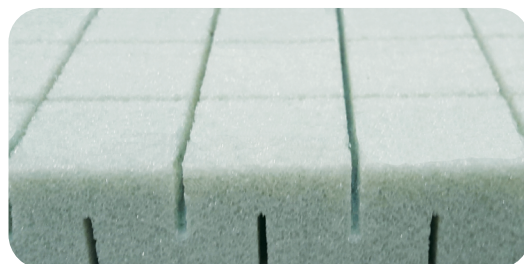


2 direction, 2 side

DOUBLE CONTOUR (DC, external)

To create a somewhat flexible core sheet, both sides are cut in both directions to a depth of around 60% of the core thickness.

Standard board size	1008 x 1220 mm
Width of cut	≤25 mm: 0.9 mm >25 mm: 1.2 mm
Groove pattern	30 x 30 mm
Minimum thickness	10 mm
Maximum thickness	85 mm
Maximum density	150 kg/m ³

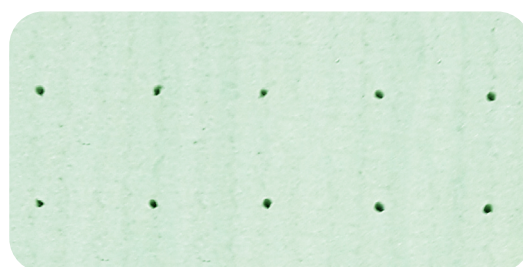


PERFORATION (P, external)

To ensure wet-out and to prevent trapped air. Stand alone or in combination with grooving. Standard pattern, thickness and/or density limitation may apply.

Standard board size	1008 x 2448 mm
Maximum thickness	60 mm
Hole diameter	3 mm
Hole patter	32 x 32 mm

Densities $\geq 150 \text{ kg/m}^3$: adjustment of perforation pattern possible in order not to punch the weld lines.



THICKNESS TOLERANCE (internal) ± 0.3

With an off-line process, thickness tolerance can be reduced. Higher thickness on demand.

Standard board size	1008 x 2448 mm
Minimum thickness	10 mm
Maximum thickness	70 to 150 kg/m^3 : 60 mm > 200 kg/m^3 : 30 mm

SURFACE TREATMENT (ST, internal)

Surface treatment without introducing an additional material, minimizes the resin uptake. Higher thickness on demand. Lead time subject to availability.

Standard board size	1008 x 2448 mm
Maximum density	150 kg/m^3
Thickness	10 to 150 mm

THERMOFORMING

Due to its thermoplastic nature, ArmaPET is well-suited for thermoforming. 3D-shaped or double curved sandwich panels are possible without cutting the foam and thus eliminating core stress concentration and increased resin consumption. **Thermoforming is not offered by Armacell. To be discussed with your sales representative.**



All converting options are limited to a maximum weight of 25 kg/board.

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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 25 production plants in 17 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. 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 company information, please visit:
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