



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[®]

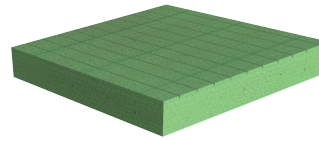
CONVERTING

ArmaPET[®] Struct

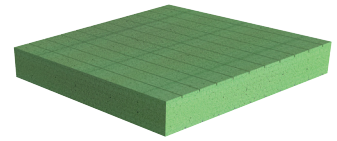
FLOW

To promote resin flow and wet-out.

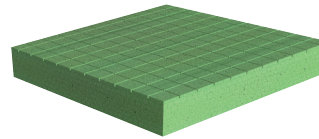
Standard board size	2448 x 1008mm
Groove pattern	20 x 20mm 20 x 40mm 40 x 40mm
Width of cut	1.1mm
Depth of cut	2mm
Minimum thickness	5mm
Maximum thickness	60mm



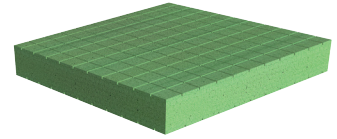
1 direction, 1 side



1 direction, 2 sides



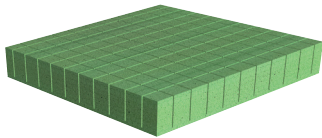
2 directions, 1 side



2 directions, 2 sides

FLEX

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

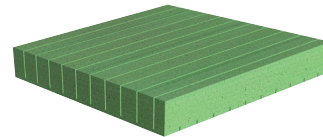


2 directions, 1 side

Standard board size	2448 x 1008mm
Groove pattern	20 x 20mm 20 x 40mm 40 x 40mm
Width of cut	1.1mm
Depth of cut	57mm
Minimum thickness	5mm
Maximum thickness	60mm

FLEXFLOW

Shallow cuts: Combination of shallow and deep grooves.



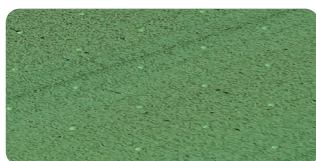
1 direction, 1 side
Reverse side, opposite direction

Standard board size	2448 x 1008mm
Groove pattern	20 x 20mm 20 x 40mm 40 x 40mm
Width of cut	1.1mm
Max depth of cut	57mm
Max depth of cut (reverse side)	2mm
Minimum thickness	5mm
Maximum thickness	60mm

CROSS

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.

Perforation available from 5 to 60mm.



Standard board size	2448 x 1008mm
Minimum thickness	5mm
Maximum thickness	60mm
Hole diameter	2.5mm
Hole pattern	20mm & 40mm
Max perforation thickness	60mm

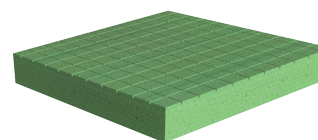
GS

Grid Scored: Provides good flexibility in one direction and limited in the other direction. Sheets are bonded to a glass scrim and cut in squares that provide also good resin flow in-plane. The scrim is primarily intended to be used with styrene solved resins.

Standard board size	2448 x 1008mm / 2448 x 1220mm
Groove pattern	20 x 20mm 20 x 40mm 40 x 40mm
Width of cut	1.1mm
Depth of cut	57mm
Minimum thickness	5mm
Maximum thickness	57mm

CROSSFLOW

Shallow cuts and perforations: Combination of shallow grooves and perforations.



2 direction, 1 side

Standard board size	2448 x 1008mm
Groove pattern	20 x 20mm 20 x 40mm 40 x 40mm
Minimum thickness	5mm
Maximum thickness	60mm
Hole diameter	2.5mm
Hole pattern	20mm & 40mm
Perforation thickness	From 5 to 60mm

GROOVES & HOLE TOLERANCE

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

Grooves	+/- 0.3mm
Holes	+/- 1mm

GLOSSARY

FLOW // Shallow cuts: Shallow grooves to improve resin flow/distribution.

FLEX // Deep cuts: Deep groove providing great formability.

CROSS // Perforation: Perforations to remove trapped air and create bridges.

CROSSFLOW // Shallow cuts and perforations: Combination of shallow grooves and perforations.

FLEXFLOW // Shallow cuts: Combination of shallow and deep grooves.

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ABOUT ARMACELL

As the inventor 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. 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 company information, please visit:
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For product information, please visit:
www.armacell-core-foams.com

