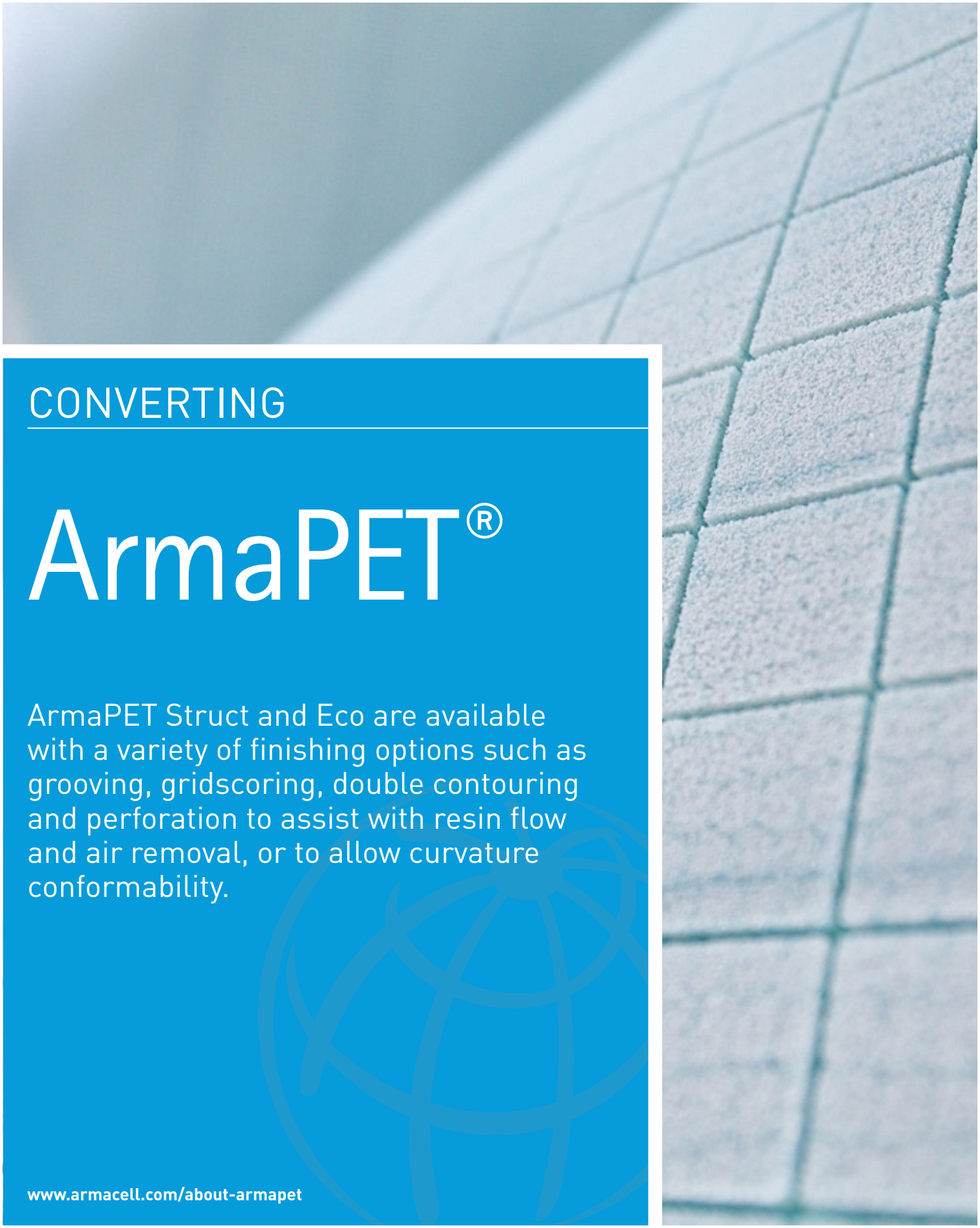

CONVERTING

ArmaPET®

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

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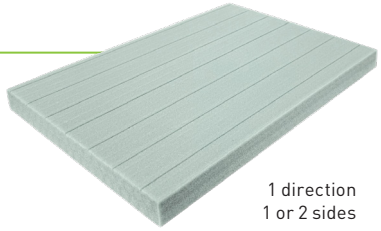
ArmaPET®

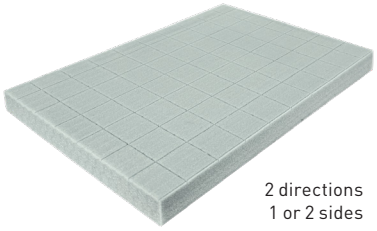
ArmaPET®

FLOW

Shallow grooves in one or two directions to enable quick resin transfer in closed moulding processes.



1 direction
1 or 2 sides

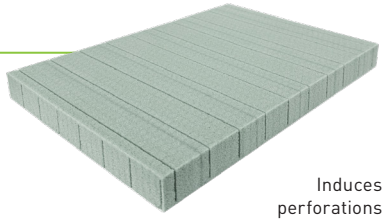


2 directions
1 or 2 sides

Standard board size	2448 x 1008 mm 2448 x 1220 mm
Groove pattern	20 x 20 mm 30 x 30 mm 20 x 40 mm 40 x 40 mm
Minimum thickness	5 mm

FLEX

Deep grooves in the core in one or two directions to give maximum flexibility combined with resin flow for closed moulding processes.

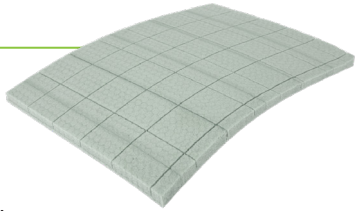


Induces perforations and holes in the foam

Standard board size	2448 x 1008 mm 2448 x 1220 mm
Groove pattern	20 x 20 mm 30 x 30 mm 20 x 40 mm 40 x 40 mm
Minimum thickness	5 mm

FLEXFLOW

Deep grooves in the core in one or two directions on one side to give some flexibility. In combination with shallow resin flow grooves on the other side.



Standard board size	2448 x 1008 mm 2448 x 1220 mm
Groove pattern	20 x 20 mm 30 x 30 mm 20 x 40 mm 40 x 40 mm
Minimum thickness	5 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.**

CROSS

Perforations to facilitate resin flown or air removal from one side of the core to the other.

Standard board size	2448 x 1008 mm 2448 x 1220 mm
Minimum thickness	5 mm

GRID SCORED

Provides good flexibility. Sheets are bonded to a glass scrim and cut in squares that provide also good resin flow in-plane.

Standard board size	2448 x 1008 mm 2448 x 1220 mm
Groove pattern	20 x 20 mm 30 x 30 mm 20 x 40 mm 40 x 40 mm
Minimum thickness	5 mm

GLOSSARY

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

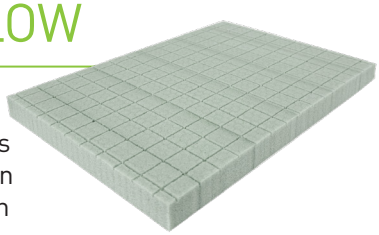
FLEX // **Deep cuts:**
Deep groove providing great formability.

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

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

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

CROSSFLOW



Shallow groove on one or two sides of the core for resin flow combined with perforations for resin transfer to the opposite side of the core.

Standard board size	2448 x 1008 mm 2448 x 1220 mm
Groove pattern	20 x 20 mm 30 x 30 mm 20 x 40 mm 40 x 40 mm
Minimum thickness	5 mm

THICKNESS TOLERANCE +/- 0.3

Optional off-line process, thickness tolerance can be reduced from ±0.5 mm standard to ±0.3 mm.

Standard board size	2448 x 1008 mm 2448 x 1220 mm
Minimum thickness	10 mm
Maximum thickness	70 to 150 kg/m³: 60 mm > 200 kg/m³: 30 mm

SURFACE TREATMENT

Surface treatment without introducing an additional material, minimizes the resin uptake. Applied as per standard in ArmaPET Struct GRX.

Standard board size	1008 x 2448 mm
Thickness	10 to 150 mm
Maximum density	250 kg/m³

All converting options may be further discussed with your sales representative.

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 25 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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