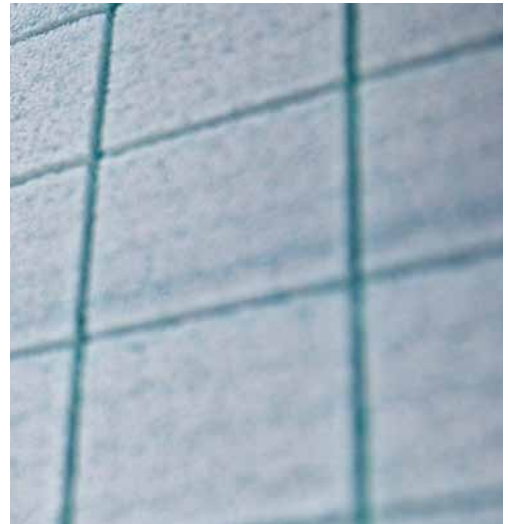
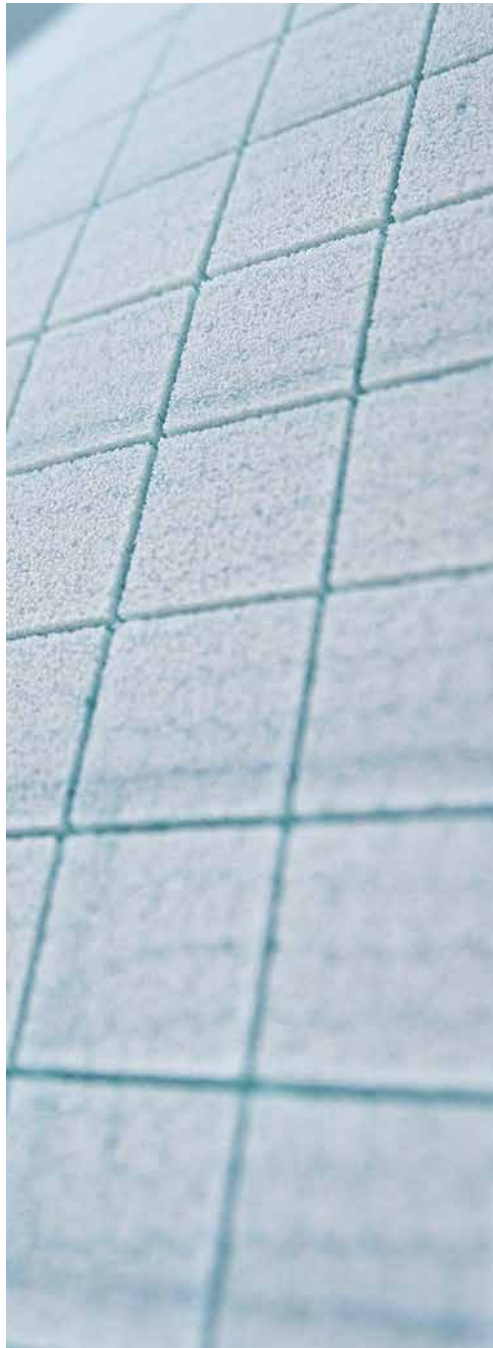


DESIGNED FOR A GREENER TOMORROW

# ArmaForm<sup>®</sup> Finishing Options

[www.armacell-core-foams.com](http://www.armacell-core-foams.com)



 **armacell**<sup>®</sup>  
ArmaForm<sup>®</sup>

# ArmaForm<sup>®</sup> Finishing Options

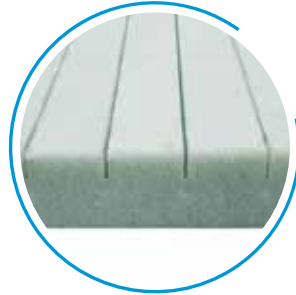
ArmaForm is available with a variety of finishing options such as grooving, gridscoreing, double contouring and perforation to assist with resin flow and air removal, or to allow curvature conformability.

## Grooving (GR)

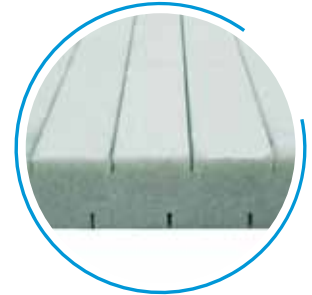
Promotes resin flow and wet-out.

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

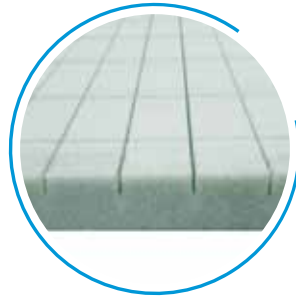
<sup>(1)</sup> Grooving in 1 direction, is available up to 1008 x 2448 mm, with a maximum thickness of 60mm.



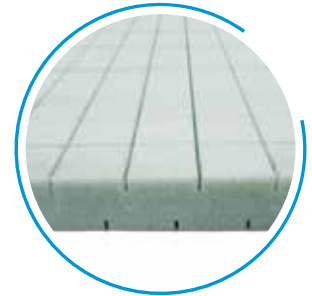
1 direction, 1 side



1 direction, 2 side



2 direction, 1 side

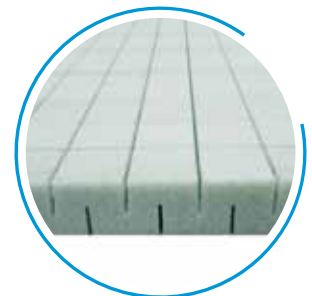


2 direction, 2 side

## Double Contour (DC)

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

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



## Scrim (S)

Our foam core sheets can be delivered with or without fibreglass scrim.

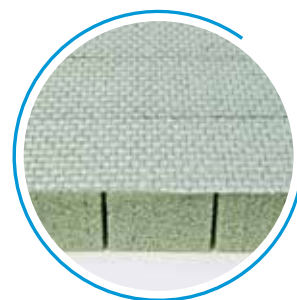
<b>Standard board size</b>	1008 x ... mm	<b>Minimum foam thickness</b>	10 mm ≥100 kg/m <sup>3</sup> 15 mm ≤ 80 kg/m <sup>3</sup>
<b>Maximum foam thickness</b>	50 mm	<b>Grade / Density</b>	GR70 - GR150 FR100 / FR150

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

## Gridscoring + Scrim (GS)

To provide optimum flexibility in two directions. Foam is almost cut through and bonded to lightweight fibreglass scrim on bottom side. Boards are not cracked.

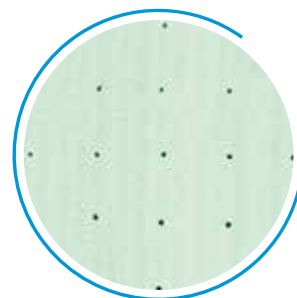
<b>Standard board size</b>	1008 x 1220 mm	<b>Minimum foam thickness</b>	10 mm $\geq$ 100 kg/m <sup>3</sup> 15 mm $\leq$ 80 kg/m <sup>3</sup>
<b>Width of cut</b>	$\leq$ 25 mm: 0.9 mm > 25 mm: 1.2 mm	<b>Maximum foam thickness</b>	45 mm
<b>Grid pattern</b>	30 x 30 mm	<b>Grade / Density</b>	GR70 - GR150 FR100 / FR150



## Perforation (P)

Holes 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.

<b>Standard board size</b>	1008 x 2448 mm	<b>Hole pattern</b>	32 x 32 mm
<b>Maximum foam thickness</b>	60 mm	<b>Hole diameter</b>	3 mm



Densities  $\geq$  150 kg/m<sup>3</sup>: adjustment of perforation pattern possible in order not to punch the weld lines.

## Surface Treatment (ST)

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

<b>Standard board size</b>	1008 x 2448 mm	<b>Foam thickness</b>	70 to 80 kg/m <sup>3</sup> 15 - 150 mm
<b>Maximum density</b>	150 kg/m <sup>3</sup>	100 to 80 kg/m <sup>3</sup>	10 - 150 mm

## Tight Thickness Tolerance +/- 0.3 mm

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

<b>Standard board size</b>	1008 x 2448 mm	<b>Maximum foam thickness</b>	
<b>Minimum foam thickness</b>	10 mm	70-150 kg/m <sup>3</sup> 60 mm	
		> 200 kg/m <sup>3</sup> 30 mm	

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

## Thermoforming

Due to its thermoplastic nature, ArmaForm 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 data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. Armacell takes every precaution to ensure the accuracy of the data provided in this document and all statements, technical information and recommendations contained within are believed to be correct at the time of publication. By ordering/receiving product you accept the Armacell General Terms and Conditions of Sale applicable in the region. Please request a copy if you have not received these.

© Armacell, 2020. ArmaForm® is a trademark of the Armacell group.  
00157 | Converting | ArmaForm | SpecSheet | 032020 | Global | EN Master

## 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 3,135 employees and 24 production plants in 16 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 information, please visit: [www.armacell.com](http://www.armacell.com).

For more product information, please visit:  
[www.armacell-core-foams.com](http://www.armacell-core-foams.com)

