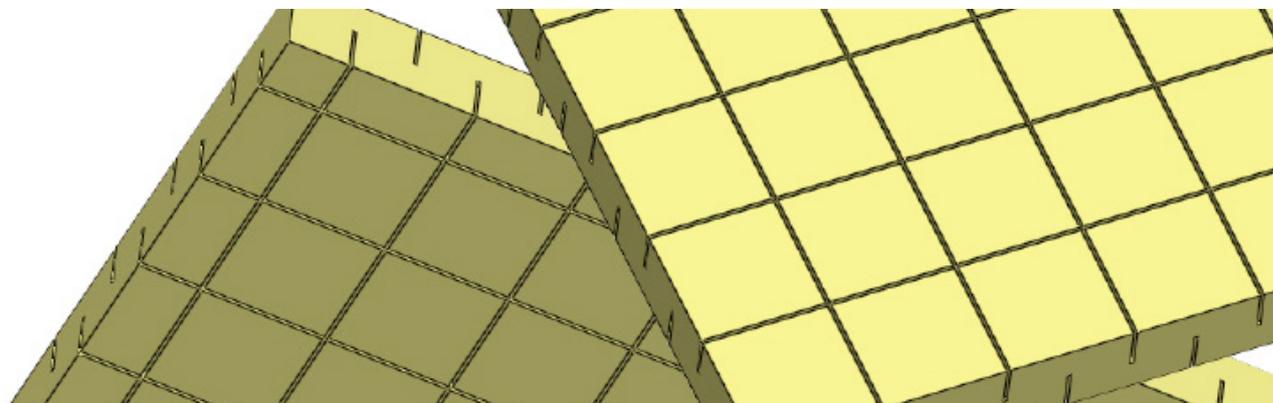


Finishing | Form

Double counter cut

Double cut are grid scored material in two directions from both sides, which makes it formable and flexible for use in slightly curved moulds or applications.



Description

The sheet is grid scored in two directions on both sides of the core, the grids opposing each other are at an offset of 50%. Where the grids intersect perforations are created, which makes it suitable also for infusion in the right circumstances..

Benefits

- Formable
- Core bedding vacuum bonding
- Fibre scrim backing not needed

Typical application areas

- Hulls
- Superstructures

Standard finishing types¹

Configuration	DC30	DW30
Distance between cuts	30mm	30mm
Depth of cuts	~45% of sheet thickness	
Width of cuts ²	~0.9mm	~1.3mm

1. Customized alternatives can be available upon request

2. Thickness and material choice impacts cut width.

Process characteristics

Suitable for slightly curved surfaces, whether your manufacturing method is hand laminating, vacuum bonding or infusion.

The grid score grooves are only for curvature and should not be confused with infusion grooving. It is used in hand lay-up or sprayed lay-up processes.

The proper and recommended method in wet lay-up manufacturing is to use a vacuum bonding technique combined with a suitable core bedding adhesive.

In infusion or other vacuum resin transfer molding processes double contour is often combined with flow meshes or flow mats to secure a good wet out of the surface of the core.

Limitations and considerations

In curved applications double contour will open up its grid scores, which increases resin consumption and risk of resin shrinkage affecting the surface finish.

Finishing solutions

Diab offers a comprehensive range of finishing options to deliver optimized solutions tailored to customer requirements and objectives. If the standard range does not meet specific needs, customized cuts and solutions can be developed. However, this is rarely necessary, as Diab's extensive offering and expertise cover the majority of industry demands.

Kits

To fully optimize cost, performance, and quality, Diab can engineer and supply core kits delivered in lay-up sequence. These kits consist of precut pieces tailored to meet mechanical requirements, lay-up strategy, manufacturing process, and cost and quality goals.

Produced by skilled personnel using a combination of traditional and CNC equipment, the kits ensure precision and consistency.

By working with kits, customers benefit from Diab's full expertise in engineered design, core materials, and manufacturing techniques—key factors in achieving application objectives in terms of cost-efficiency, quality, and performance.

Disclaimer:

This data sheet may be subject to revision and changes due to development and changes of the material. The data is derived from tests and experience. If not stated as minimum values, the data is average data and should be treated as such. Calculations should be verified by actual tests. The data is furnished without liability for the company and does not constitute a warranty or representation in respect of the material or its use. The company reserves the right to release new data sheets in replacement.

All content in this publication is protected by international copyright laws. Copyright © Diab December 2025.

For more info visit:
diabgroup.com/contact

