



ESC

FOAM IN NEW
DIMENSIONS



3D|CORE™


THE IDEAL STRUCTURAL FOAM SYSTEM FOR AERONAUTIC, MARINE,
AUTOMOTIVE AND OTHER LIGHTWEIGHT APPLICATIONS



Improvement of Technical Properties*

- + 50 % EFFICIENCY IN PRODUCTION
- + 250 % INCREASE IN SHEAR STRENGTH
- + 700 % INCREASE IN FLEXURAL STRENGTH
- + 1.000 % INCREASE IN COMPRESSION STRENGTH

* 3D-Core 100.10 10 mm thick from non welded PET-Foam with a density with average weight of 115 kg/m³
in comparison to a classic sandwich with an identical composition. For details please contact us.



EXTENDED STRUCTURED COMPOSITES GMBH & CO KG · OSTSTRASSE 70 · 32051 HERFORD
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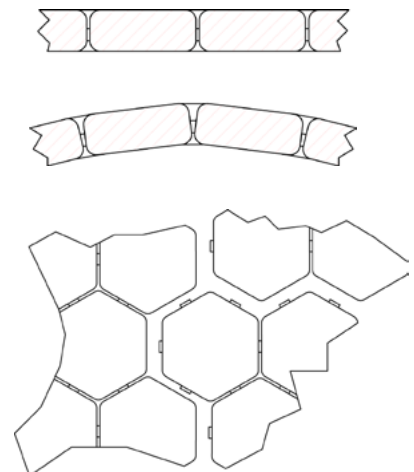
3D|CORE™

Benefits of 3D-Core

- ◆ 3D-DRAPEABILITY
- ◆ IDEAL RESIN-FLOW
- ◆ OPTIMUM RELATION OF STRUCTURAL STABILITY AND WEIGHT
- ◆ WEIGHT AND COST EFFECTIVENESS

Benefits in processing 3D-Core:

1. The joints between the hexagonal foam bodies work as place holder and guarantee a similar structure and a good resin flow – you don't need any flow aid.
2. The small joints enable the 3D-modules to follow the contour easily and speed up the production process by easy filling of the mold.
3. The modules are designed to create an endless and homogeneous structure. Due to the joints on two sites of a module the resin flow is also guaranteed in the jointing area.



For further details please call us or visit our homepage:
www.escomposite.com



3D-Core is available in:

- ◆ E-PET (PET-Foam)
- ◆ E-PUR/Navy (PUR-Foam)
- ◆ E-XPS (XPS-Foam)
- ◆ E-SAN (SAN-Foam)

New foams are tested constantly. Customized kits for serial production are available.