

MULTIMAT®

General information

MULTIMAT® is a 100% glass, cold preformable, 3-D reinforcement; produced by stitching chopped glass fibers on both sides of a highly drapable knitted glass fiber core, for closed mould systems.

Types of Multimatt®

Core "G500" = 500 g/m²

Core "G900" = 900 g/m²

Methods of use

MULTIMAT® is recommended for the production of shaped composites in RTM, RTM Lite, Pressure and Vacuum injection, Infusion and Compression molding.

Advantages

- ✓ 100% glass fiber, without any synthetic core.
- ✓ Builds up laminates from 2 mm (0.080") to 7 mm (0.280") with one layer.
- ✓ Wets out very fast in RTM and Vacuum Processes.
- ✓ Provides high physical properties, especially flexural strength, stiffness, shear- and compression strength, damage tolerance and impact resistance.
- ✓ Is very flexible and preformable.
- ✓ It can be laminated and postcured with phenolic resins at high temperature due to its 100% glass fiber composition.
- ✓ Up to 60% elongation without tearing.



Multimat®

End uses

- ✓ Boats and jet skis
- ✓ Chemical Engineering
- ✓ Automotive parts
- ✓ Panels
- ✓ Bath and shower tubs
- ✓ Relining of sewer pipes

Properties of Composites made with Multimat®

Multimat®'s unique 100% glass fiber core offers great resistance to delamination.

Fatigue resistance:

Multimat® consists only of silanized fibers.

The chemical interface, created between the glass fiber and the resin by the silane- coupling agent, maximizes the expected service life of the laminate.

Multimat® is incombustible:

The 100% glass fiber construction of Multimat®, without thermoplastic core, guarantees worry free processing without danger of fire, common in other laminating processes.

Standard Product List

TYPE	WIDTH (cm)	SKIN (g/m ²)	CORE (g/m ²)	SKIN (g/m ²)	TOTAL WEIGHT (g/m ²)
S300/G500/S300	125 or 250	300	500	300	1100
S375/G500/S375	125 or 250	375	500	375	1250
S450/G500/S450	125 or 250	450	500	450	1400
S600/G500/S600	125 or 250	600	500	600	1700
S900/G500/S900	125 or 250	900	500	900	2300
S300/G900/S300	125 or 250	300	900	300	1500
S450/G900/S450	125 or 250	450	900	450	1800
S500/G900/S500	125 or 250	500	900	500	1900
S600/G900/S600	125 or 250	600	900	600	2100
S750/G900/S750	125 or 250	750	900	750	2400
S900/G900/S900	125 or 250	900	900	900	2700

Other weights & variations available to order.

Without liability.



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