

The combination of a rigid foam core with glass fibre reinforced polyester coatings results in an extremely light weight composite with excellent mechanical properties. Spray painting is not necessary due to the gelcoat outer surface.



Product description

Outside top layer	glass fibre reinforced polyester laminate with gelcoat, white similar to RAL 9010*
Core	PU-foam
Inside top layer	white polyester laminate with glass fibre fabric

* other colours on request

- high stiffness and stability
- low weight
- high quality finished gelcoat outer surface
- non condensing
- easy workability
- simple to spray paint and easy to repair
- wide range of dimensions (thickness 17 – 65 mm, length up to 14,000 mm)
- good isolation

Dimensions

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard	4500	2300	25
	5500	2450	25
Special sizes*	max. 14000	max. 2900	max. 80

* Available on request: minimum: 200m²

Tolerances	Length [mm]	Width [mm]	Thickness [mm]
Standard (untrimmed)	+1/-4	+1/-3	+0/-1
Cut to size	+2/-2	+1/-2	+0/-1

General physical properties

	Value	Unit	Norm
Service temperature	-30 bis +80	°C	-

Thickness [mm]	Weight per unit area [kg/m ²]	Thermal insulation U-value [W/m ² K]	Modulus of elasticity [N/mm ²]	Bending strength [N/mm ²]*	Bending stiffness [Nm ² /m]**
17	4,3	1,23	1620	8,9	663
20	4,4	1,06	1310	7,6	873
25	4,6	0,86	960	6,0	1250
30	4,8	0,73	750	5,2	1688
40	5,2	0,55	490	4,0	2613

* Values determined with three-point-bending test according to ISO 178: sample width 80 mm/support distance 250 mm

** per m panel width

Applications

- Roofs, front panels, sidewalls, doors and partitions for distribution and refrigerated boxes for trucks
- Housings

All these specifications are based on our most up-to-date information but are subject to changes at any time.

A legally binding assurance of certain properties or the suitability of an individual type for a specific field of application cannot be assumed from these specifications.