

The combination of PP-honeycomb cores with glass fibre reinforced polyester facing sheets results in a sandwich composite with excellent mechanical properties. Spray painting is not necessary due to the gel coat outer surface.



Product description

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

*other colours on request

Properties

- high stiffness but low weight
- very high strength due to honeycomb geometry
- excellent impact and break resistance
- high energy absorption
- high quality finished gelcoat outer surface
- simple to spray paint and easy maintenance
- wide range of dimensions (thickness 17 – 65 mm, length up to 14,000 mm)

Dimensions

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard	4500	2300	25
	5500	2450	25
	6500	2450	25
Special dimensions*	max. 14000	max. 2900	max. 70

* Available on request: minimum quantity 200 m²

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	4,7	3,11	1800	26	737
20	4,9	2,85	1500	23	1000
25	5,2	2,50	1200	19	1563
30	5,5	2,22	1000	16	2250
35	5,8	2,01	800	13	2858

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

** per m panel width

Applications

- Roofs, front panels, sidewalls, doors and partitions for trucks
- Roofing
- 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.