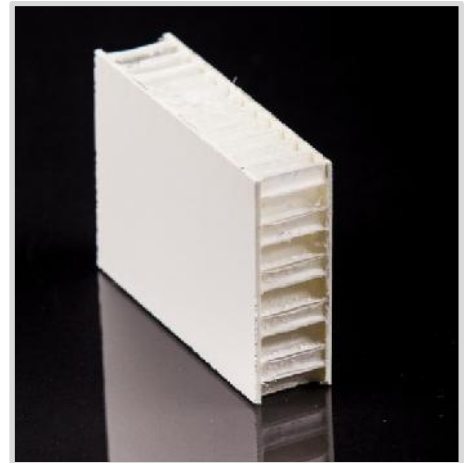


## PRODUCT DESCRIPTION

- Outside top layer: GRP gelcoat, white\*
- Core: PP-honeycomb
- Inside top layer: GRP woven roving, white
- \*other colours on request



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 gelcoat outer surface.

## 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 14000 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. 65

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

\*available on request: minimum quantity 300 m<sup>2</sup>

## GENERAL PHYSICAL PROPERTIES

Service temperature

[°C]

-30 to +80

## MECHANICAL PROPERTIES

Thickness [mm]	Weight per unit area [kg/m <sup>2</sup> ]	Thermal insulation U-value [W/m <sup>2</sup> K]	Modulus of elasticity [N/mm <sup>2</sup> ]	Bending strength [N/mm <sup>2</sup> ]*	Bending stiffness [Nm <sup>2</sup> **]
17	4,8	3,11	1800	26	737
20	5,0	2,85	1500	23	1000
25	5,3	2,50	1200	19	1563
30	5,6	2,22	1000	16	2250
35	5,9	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

\*\*Valid per 1 m panel width

## APPLICATIONS

Roofs, front panels, sidewalls, doors and partition walls for trucks

Housings

Roofing

Customized application according our mission 

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. All information is provided without any obligation. No legal liability can be assumed.