

## PRODUCT DESCRIPTION

**Outside top layer:** GRP ultra gelcoat, Ral 9003\*

**Core:** PU-foam

**Inside top layer:** GRP woven roving, white

\* other colours on request



The combination of a rigid foam core with our special ultralight facing sheets results in an extremely light weight composite with excellent mechanical properties. Spray painting is not necessary due to the gelcoat outer surface.

## PROPERTIES

- high stiffness and stability
- lightest panel of its type on the market
- high quality finished gelcoat outer surface
- non condensing
- easy workability
- simple to spray paint
- wide range of dimensions (width up to 2450 mm, length up to 7500 mm)
- good insulation

## DIMENSIONS

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard			17
Special dimensions*	max. 7500	max. 2450	max. 80

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	3,5	1,20	1700	11,4	648
<b>25</b>	<b>3,5</b>	<b>0,85</b>	<b>660</b>	<b>3,8</b>	<b>859</b>
30	3,6	0,72	500	3,1	1125

\*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/support length 500mm

## APPLICATIONS

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

Housings

Customized application according our mission 