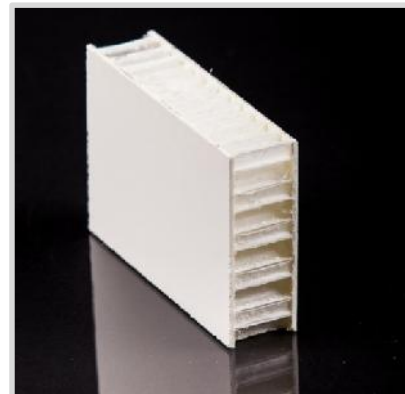# TOP-air GRP ultra

PRODUCT DESCRIPTION

Outside top layer: GRP ultra gelcoat, white*

Core: PP-honeycomb

Inside top layer: GRP woven roving, white

* other colours on request

The combination of a polypropylene honeycomb 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 but low weight
- very high strength due to honeycomb geometry
- lightest panel of its type on the market
- non condensing

- high quality finished gelcoat outer surface
- simple to spray paint
- wide range of dimensions (width up to 2500 mm, length up to 7500 mm)
- easy workability

DIMENSIONS

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard			30
Special dimensions*	max. 7500	max. 2500	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 m²

TOP-air GRP ultra

GENERAL PHYSICAL PROPERTIES

Service temperature
[°C]
-30 to +80

MECHANICAL PROPERTIES

Thickness [mm]	Weight per unit area [kg/m²]	Thermal insulation U-value [W/m²K]	Modulus of elasticity [N/mm²]	Bending strength [N/mm²]*	Bending stiffness [Nm²]**
25	4,3	2,50	900	7,6	1172
30	4,6	2,22	730	6,4	1643

*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 design your composite