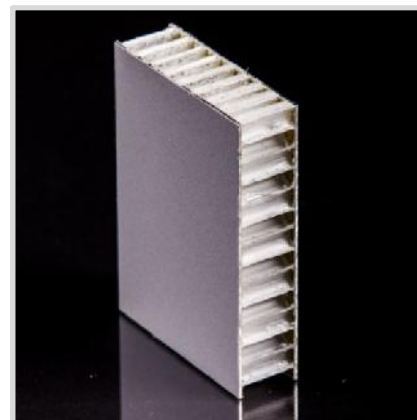


PRODUCT DESCRIPTION

Outside layers: coated aluminium RAL 9006, with protective foil*

Core: PP-honeycomb

*other colours on request



The combination of PP-honeycomb with aluminium facing sheets results in a sandwich composite with a top quality surface, low weight and high stiffness.

PROPERTIES

- high stiffness with low weight
- high compressive strength
- high quality finished outer surface
- excellent shape and dimensional stability
- easy workability and handling

DIMENSIONS

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard		1250	
		1500	
Special dimensions*	max. 10000	max. 2500	max. 65

Tolerances	Length [mm]	Width [mm]	Thickness [mm]
Cut to size	+2/-2	+1/-2	+0/-1

*available on request

GENERAL PHYSICAL PROPERTIES

Service temperature

[°C]

-30 to +80

MECHANICAL PROPERTIES

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 ***]
15	6,6	3,4	20000	16	5625
20	7,0	2,9	14500	12	9667
25	7,4	2,5	11000	10	14323
30	7,8	2,3	9000	8	20250

*valid for support distance of 1500 mm

**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

LOAD

with 2,5 times safety factor (panel resting on two opposite edges)

Thickness [mm]	Support distance [mm]	Load per unit area [kg/m ²]	Deflection [mm]
15	600	630	3
	1000	380	10
	1200	320	15
	1500	250	27
20	600	850	3
	1000	510	8
	1200	430	12
	1500	340	21

APPLICATIONS

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

Housings

Roofing

Shuttering panels

Customized application according our mission The logo for design composite, featuring a stylized orange 'd' followed by the text 'design composite' in a sans-serif font.

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.