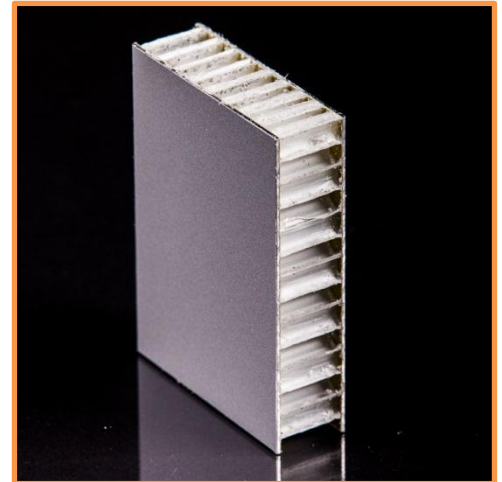


The combination of PP-honeycomb with aluminium facing sheets results in a sandwich composite with a top quality surface, low weight and high stiffness.



Product description

Outside layers	coated aluminium RAL 9010, with protective foil*
Core	PP-Honeycomb

* other colours on request

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	

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 ***
15	6,6	3,4	20.000	16	5.625
20	7,0	2,9	14.500	12	9.667
25	7,4	2,5	11.000	10	14.323
30	7,8	2,3	9.000	8	20.250

*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 in kg with 2.5 x safety factor (panel resting on 2 opposite edges)

AIR-tec 15		
Support distance [mm]	Load per unit area [kg/m ²]	Deflection [mm]
600	630	3
1000	380	10
1200	320	15
1500	250	27

AIR-tec 20		
Support distance [mm]	Load per unit area [kg/m ²]	Deflection [mm]
600	850	3
1000	510	8
1200	430	12
1500	340	21

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.