

AIR-board® UV PC

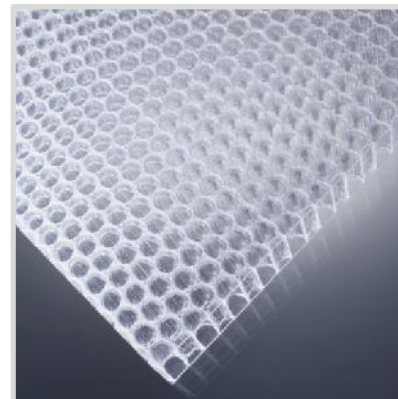


PRODUCT DESCRIPTION

Facing sheet on both sides: transparent polycarbonate

Core: PC honeycomb

- AIR-board® UV PC (cell diameter 7 mm)
- big AIR-board® UV PC (cell diameter 12 mm)
- chaos AIR-board® UV PC (cell diameter 4/7/12 mm)



Our unique bonding technology enables us to combine a translucent honeycomb core with transparent thermoplastic top sheets resulting in a panel with exceptional optical features.

The various types of panel in the AIR-board® family differ in their facing sheet materials, cores, surface structures, physical properties, dimensions and colours.

PROPERTIES

- innovative translucent optics
- unique 3D effects and light scattering
- excellent UV stability and resistance to weathering
- high light transmission with optimum privacy
- low weight
- easy processing
- compatibility with common mounting systems
- excellent rigidity
- high impact strength

AIR-board® UV PC



DIMENSIONS

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard	3020	1220	19
Special dimensions*			
AIR-board® UV PC	max. 3500	max. 1500	max. 30
big AIR-board® UV PC	max. 3020	max. 1300	max. 30
chaos AIR-board® UV PC	max. 3020	max. 1300	max. 30
Tolerances	Length [mm]	Width [mm]	Thickness [mm]
Cut to size	+2/-2	+1/-2	+0/-1

*on request - minimum order per special size: 200 m²

GENERAL PHYSICAL PROPERTIES

Coefficient of thermal expansion acc. to DIN 53752-A	Service temperature	Fire class for AIR-board UV PC		G-Value (total energy transmission value)			
		BS	EN	Solar angle			
[1/K]	[°C]	476 Part 7	13501	0°	30°	45°	60°
6,5 x 10 ⁻⁵	-30 to +80	1Y	B s2 d0	0,72	0,67	0,61	0,52

MECHANICAL PROPERTIES

Thickness [mm]	Weight per unit area [kg/m ²]	Thermal insulation U-value [W/m ² K]	Sound insulation Rw [dB]	Bending stiffness* [Nm ²]
12	5,4	3,2	21	196
16	5,6	2,7	21	444
19	5,9	2,4	21	532
30	6,6	1,7	23	1688

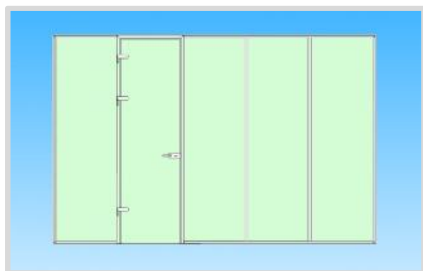
*per 1 m panel width

AIR-board® UV PC

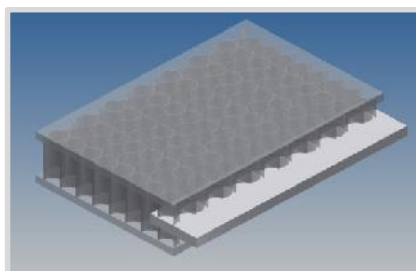


MOUNTING SYSTEMS FOR ALL AIR-BOARD® PANELS

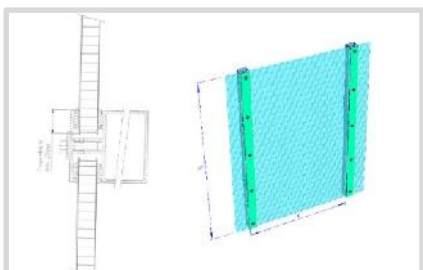
Profile system for dividing walls



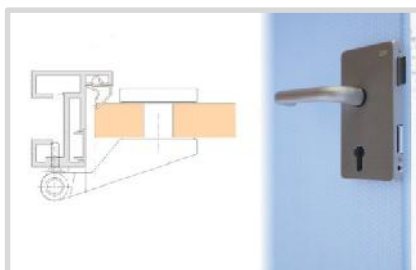
Tongue and groove joint



Profile system for glazing



Furniture for hinged doors



APPLICATIONS

interior

interior fittings | furniture | floors/walls/ceilings | partition walls/doors | stairs | illuminated elements

exterior (cell diameter 7 mm)

canopies | brise soleil | facades | stairs

retail & booth constructions

corporate design & artistic objects

customized application according our mission **design your composite**

For use in damp or external areas please contact Design Composite for technical assistance!

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.