

AIR-board® UV satin



PRODUCT DESCRIPTION

Facing sheet on both sides: PMMA satin*

Core: PC honeycomb

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

*standard colour: AIR-board® UV satin : opal; chaos AIR-board® UV satin : clear ; other colours on request



Our unique bonding technology enables us to combine a translucent honeycomb core with translucent 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
- high light transmission with optimum privacy
- low weight
- easy processing
- compatibility with common mounting systems
- excellent rigidity

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DIMENSIONS

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard	3020	1000	19
Special dimensions*			
AIR-board® UV PC	max. 3020	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	+2/-2

*on request - minimum order per special size: 25 pieces

GENERAL PHYSICAL PROPERTIES

Coefficient of thermal expansion acc. to DIN 53752-A	Service temperature
[1/K]	[°C]
7×10^{-5}	-30 to +80

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* [N/m ²]
12	7,5	3,5	24	226
16	7,8	2,8	24	515
19	8,0	2,5	24	714
30	8,8	1,8	26	1710

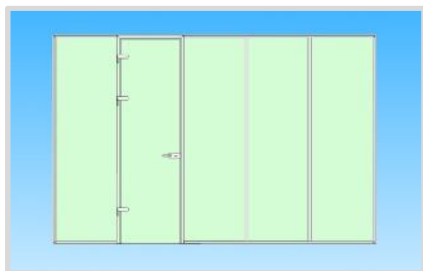
*per 1 m panel width

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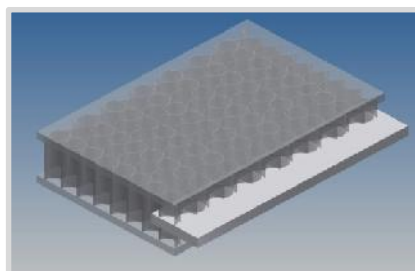


MOUNTING SYSTEMS FOR ALL AIR-BOARD® PANELS

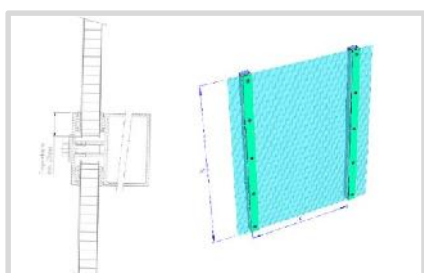
Profile system for dividing walls



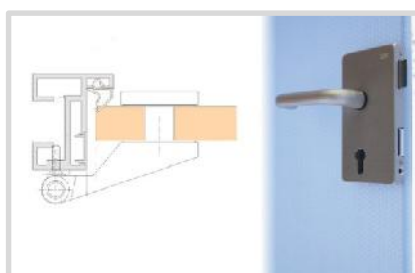
Tongue and groove joint



Profile system for glazing



Furniture for hinged doors



APPLICATIONS

interior

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

retail & booth constructions

corporate design & artistic objects

customized application according our mission **design^{you} composite**

For use in damp 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.