

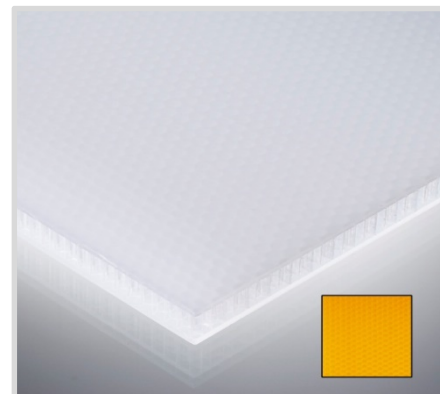
## PRODUCT DESCRIPTION

**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 PMMA satin: clear, opal, orange, electric blue, grey;  
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

## DIMENSIONS

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard	3020	1000	19
Special dimensions*			
AIR-board® UV PMMA satin	max. 3020	max. 1500	max. 30
big AIR-board® UV PMMA satin	max. 3020	max. 1300	max. 30
chaos AIR-board® UV PMMA satin	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]
$7 \times 10^{-5}$	-30 to +80

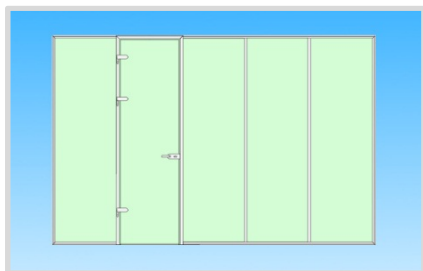
## MECHANICAL PROPERTIES

Thickness [mm]	Weight per unit area [kg/m <sup>2</sup> ]	Thermal insulation U-value [W/m <sup>2</sup> K]	Sound insulation Rw [dB]	Bending stiffness* [N/m <sup>2</sup> ]
12	7,5	3,5	24	226
16	7,8	2,8	24	515
<b>19</b>	<b>8,0</b>	<b>2,5</b>	<b>24</b>	<b>714</b>
30	8,8	1,8	26	1710

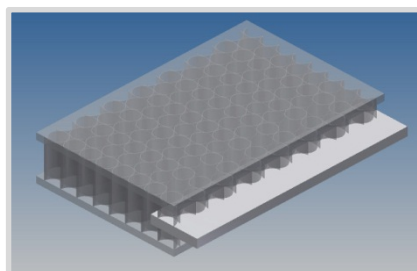
\*per 1 m panel width

## MOUNTING SYSTEMS FOR ALL AIR-BOARD® PANELS

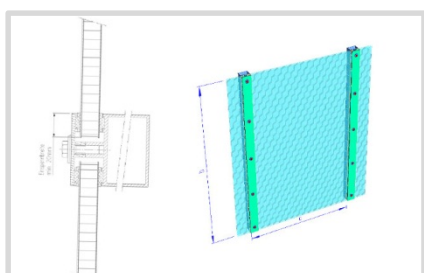
Profile system for dividing walls



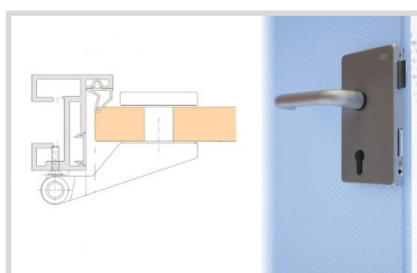
Tongue and groove joint



Profile system for glazing



Furniture for hinged doors




## APPLICATIONS

interior

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

retail & booth constructions

corporate design & artistic objects

customized application according our mission 

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.