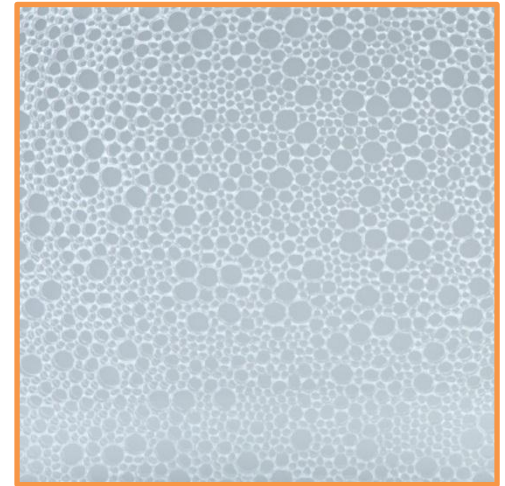


Our unique bonding technology enables us to combine a rigid translucent honeycomb core with translucent thermoplastic facing sheets resulting in a panel with exceptional optical features.

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



Product description

Facing sheet on both sides	PMMA satin*
Core	PC-honeycomb multi cell size

*Standard colour: clear; other colours on request

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

Dimensions

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard	3020	1000	19
Special dimensions*	max. 3020	max. 2020**	max. 80

*on request – minimum order per special size: 25 panels

** with core joint

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

General physical properties

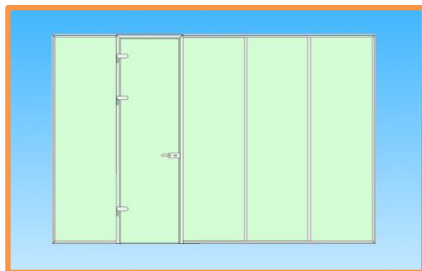
Coefficient of thermal expansion acc. to DIN 53752-A	Service temperature	Fire class		
		DIN 4102-1	BS 476 Part 7	EN 13501
[1/K]	[°C]			
7×10^{-5}	-30 bis +80	B2		

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	7,6	3,5	24	226
16	8,0	2,8	24	515
19	8,3	2,5	24	714
30	9,2	1,8	26	1710
40	10,1	1,5	27	3040
60	11,9	1,1	28	4140
80	13,7	0,9	28	11520

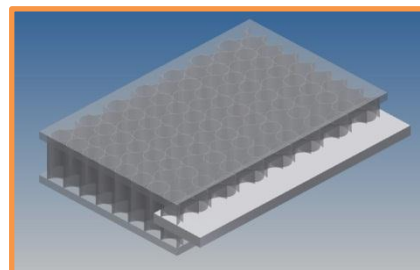
* per m panel width

Mounting systems for all AIR-board® panels

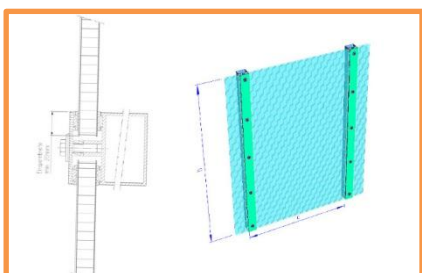
Profile system for dividing walls



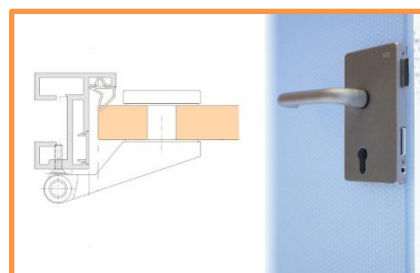
Tongue and groove joint



Profile system for glazing



Furniture for hinged doors



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.