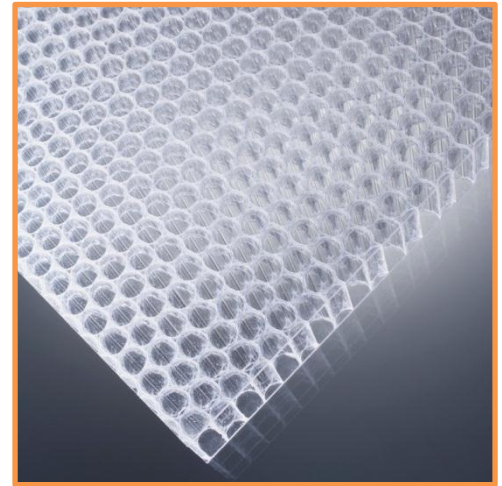


Our unique bonding technology enables us to combine a rigid translucent honeycomb core with transparent thermoplastic top sheets resulting in a panel with exceptional optical features.

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



## Product description

Facing sheet on both sides	Transparent polycarbonate
Core	PC-honeycomb (cell diameter 7mm)

## 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

## Dimensions

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard	3020	1220	19
Special dimensions*	max. 3500	max. 1500	max. 80

\* on request - minimum order per special size: 200m<sup>2</sup>

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

## General physical properties

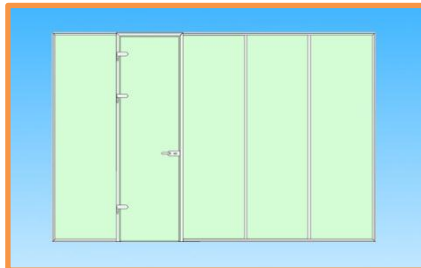
Coefficient of thermal expansion acc. to DIN 53752-A	Service temperature	Fire class			G-Value (total energy transmission value)			
		DIN 4102-1	BS 476 Part 7	EN 13501	Solar angle			
[1/K]	[°C]				0°	30°	45°	60°
$6,5 \times 10^{-5}$	-30 bis +80	B1	1Y	B s2 d0	0,72	0,67	0,61	0,52

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* [Nm <sup>2</sup> ]
12	5,4	3,2	21	196
16	5,6	2,7	21	444
<b>19</b>	<b>5,9</b>	<b>2,4</b>	<b>21</b>	<b>532</b>
30	6,6	1,7	23	1688
40	7,3	1,4	24	2987
60	8,7	1,1	25	3420
80	10,1	0,9	25	11093

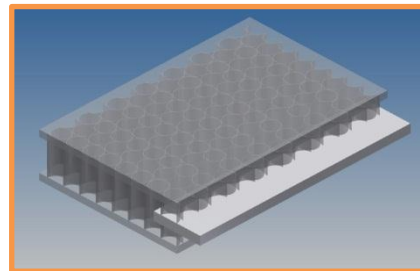
\* per m panel width

## Mounting systems for all AIR-board® panels

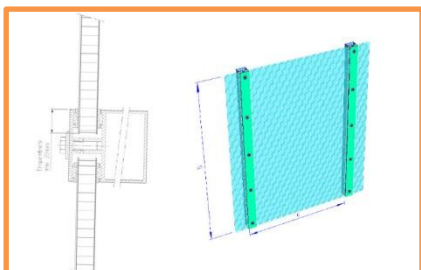
### Profile system for dividing walls



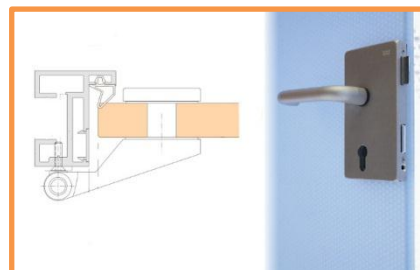
### Tongue and groove joint



### 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.