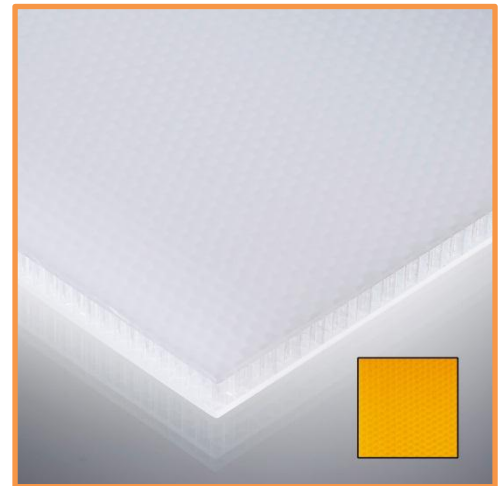


Our unique bonding technology enables us to combine a rigid translucent honeycomb core with transparent thermoplastic top sheets resulting in a panel with exceptional optical features.

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 PMMA satin\*

Core PC-honeycomb

\*Standard Colours: Opal, Orange; 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]  |
|---------------------|-------------|-------------|
| Standard            | 3020        | 1000        |
| Special dimensions* | max. 3020   | max. 2020** |

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

\*\* with core joint

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

## General physical properties

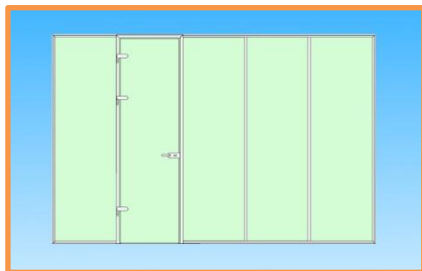
| Coefficient of thermal expansion<br>acc. to DIN 53752-A | Service temperature | Fire class |               |          |
|---|---------------------|------------|---------------|----------|
| [1/K]   | [°C]                | DIN 4102-1 | BS 476 Part 7 | EN 13501 |
| $7 \times 10^{-5}$                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

| Thickness<br>[mm] | Weight per unit area<br>[kg/m <sup>2</sup> ] | Thermal insulation<br>U-value [W/m <sup>2</sup> K] | Sound insulation<br>Rw<br>[dB] | Bending stiffness*<br>[Nm <sup>2</sup> ] |
|-------------------|--|--|--------------------------------|--|
| 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                                     |
| 40                | 9,5  | 1,5  | 27                             | 3040                                     |
| 60                | 10,9   | 1,1  | 28                             | 4140                                     |
| 80                | 12,3   | 0,9  | 28                             | 11520                                    |

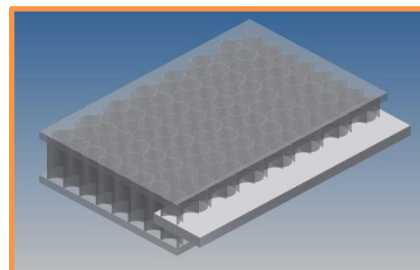
\* pro m Paneelbreite

## Mounting systems for all AIR-board® panels

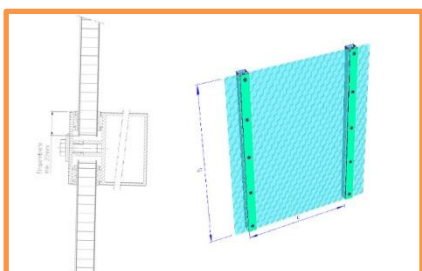
### Profile system for dividing walls



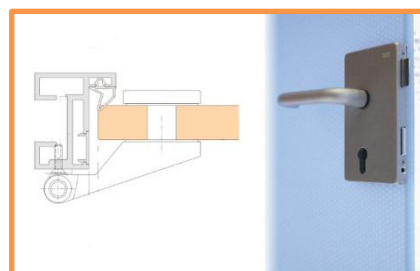
### Tongue and groove joint



### 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.