

AIR-board® ECO color

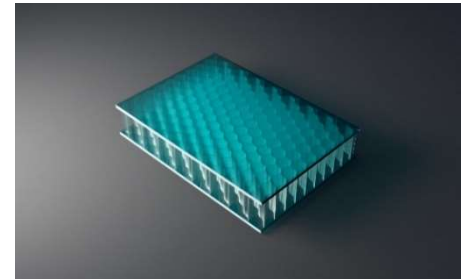


PRODUCT DESCRIPTION

Facing sheet on both sides: Greencast - 100% recycled acrylic glass translucent*



- Core:**
- PC honeycomb
 - ^ AIR-board® ECO color (cell diameter 7 mm)
 - ^ big AIR-board® ECO color (cell diameter 12 mm)
 - ^ chaos AIR-board® ECO color (cell diameter 4/7/12 mm)



*standard colour: blue sky, orange flash; other colours on request

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

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

The unique thing about Greencast is that it is made entirely from recycled acrylic glass (R-MMA) and has the same properties as standard acrylic glass made from synthetic monomer.

PROPERTIES

- **Facing sheets 100% R-MMA**
- 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
- high impact strength
- innovative translucent optics

DIMENSIONS

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard	3020	1000	19
Special dimensions*			
AIR-board® ECO color	max. 3020	max. 1500	max. 30
big AIR-board® ECO color	max. 3020	max. 1300	max. 30
chaos AIR-board® ECO color	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: 400 m²



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GENERAL PHYSICAL PROPERTIES

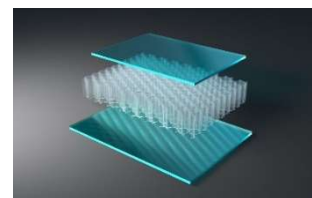
Coefficient of thermal expansion acc. to DIN 53752-A	Service temperature
[1/K]	[°C]
7×10^{-5}	-30 bis +80

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* [Nm ²]
19	8,0	2,5	24	714
30	8,8	1,8	26	1710

*per 1m panel width

APPLICATIONS



customized application according to our mission



Production information for greencast acrylic sheets:

For greencast, PMMA remnants and recycled products are collected, thermally regenerated, and processed into new sheets. A patented cracking process converts PMMA molecules into liquid R-MMA, which serves as 100% raw material for the sheets. Greencast has the same visual appearance, technical performance, and durability as newly produced material.

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.

