

# AIR-board® ECO satin

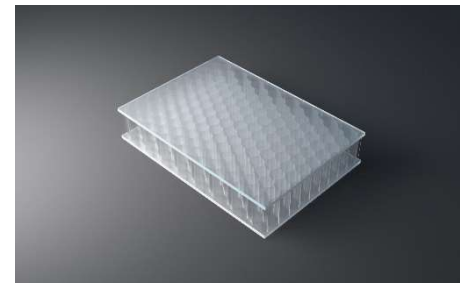


## PRODUCT DESCRIPTION

**Facing sheet on both sides:** 100% recycled acrylic glass satin translucent \* 

**Core:** PC honeycomb

- AIR-board® ECO satin (cell diameter 7mm)
- big AIR-board® ECO satin (cell diameter 12mm)
- chaos AIR-board® ECO satin (cell diameter 4/7/12mm)



\*standard colour: AIR-board® satin: clear haze, opal white, orange zest, blue spark, grey shadow;  
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 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% RMMA**
- 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® ECO satin	max. 3020	max. 1500	max. 30
big AIR-board® ECO satin	max. 3020	max. 1300	max. 30
chaos AIR-board® ECO 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



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## GENERAL PHYSICAL PROPERTIES

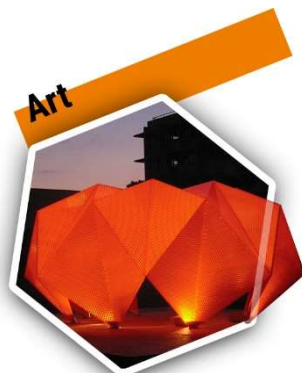
Coefficient of thermal expansion acc. to DIN 53752-A	Service temperature
[1/K]	[°C]
7 x 10 <sup>-5</sup>	-30 to +80

## MECHANICAL PROPERTIES

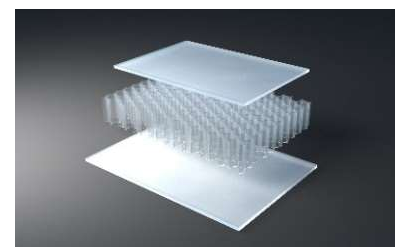
Thickness [mm]	Weight per unit area [kg/m <sup>2</sup> ]	Thermal insulation U-value [W/m <sup>2</sup> K]	Sound insulation Rw [dB]	Bending stiffness* [N/m <sup>2</sup> ]
19	8,0	2,5	24	714
30	8,8	1,8	26	1710

\*per 1 m 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.

