

clear-PEP[®] ECO color

PRODUCT DESCRIPTION

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



Core: PC-TRCore honeycomb

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



The distinctive TRCore for our clear-PEP[®] panels is manufactured on our specially designed and patented core expander. The innovative characteristic of the special cell structure gives the lightweight panels not just a unique depth but also an extremely high rigidity. The various types of panels in the clear-PEP[®] 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
- 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 * **	max. 3020	max. 2000	max. 40

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

*on request - minimum order per special size: 25 pc.

**all panels over 3020 x 1220 mm with core joint



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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 to +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	10,8	2,8	26	829
30	12,0	2,4	27	1800
40	12,0	2,1	27	3200

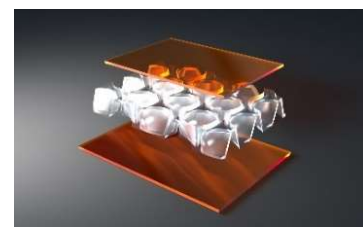
*per 1 m panel width

APPLICATIONS



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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.

If 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.

