

clear-PEP[®] UV satin

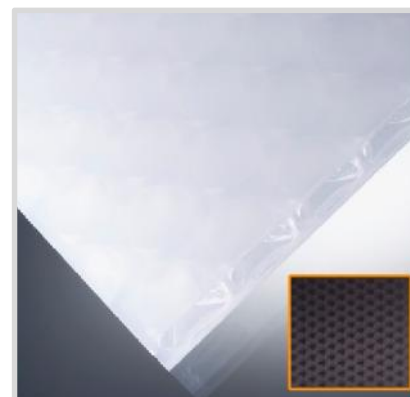


PRODUCT DESCRIPTION

Facing sheet on both sides: PMMA satin*

Core: PC-TRCore honeycomb

*standard colour: opal, grey; 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 panel in the clear-PEP[®] family differ in their facing sheet materials, cores, surface structures, physical properties, dimensions and colours.

PROPERTIES

- innovative translucent optics
- unique 3D effects and light scattering
- excellent UV stability
- 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 * **	max. 3020	max. 2020	max. 80

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

*on request - minimum order per special size: 25 panels

**all panels over 3020 x 1500 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]
16	10,8	2,9	26	597
19	10,8	2,8	26	829
30	12,0	2,4	27	1800
40	12,0	2,1	27	3200
60	13,2	1,7	28	3750
80	13,2	1,4	28	6400

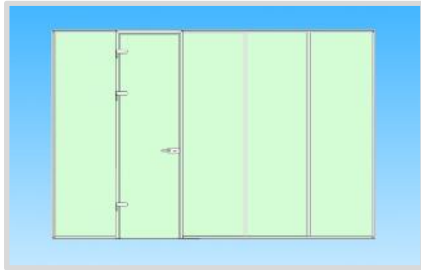
*per 1 m panel width

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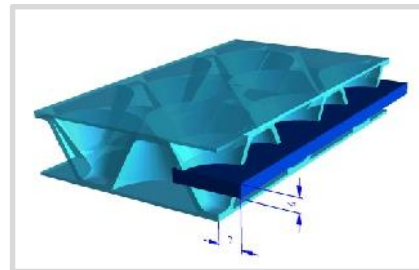


MOUNTING SYSTEMS FOR ALL clear-PEP[®] PANELS

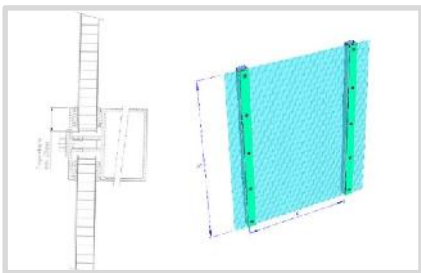
Profile system for dividing walls



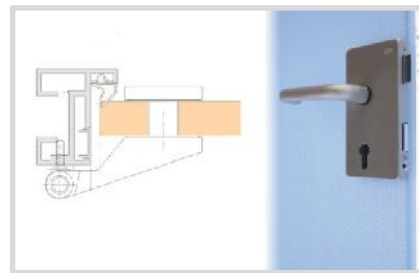
Tongue and groove joint



Profile system for glazing



Furniture for hinged doors



APPLICATIONS

interior

interior fittings | furniture | floors/walls/ceilings | partition walls/doors | stairs | illuminated elements | retail & booth constructions | corporate design & artistic objects

customized application according our mission **your design composite**

For use in damp please contact Design Composite for technical assistance!

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