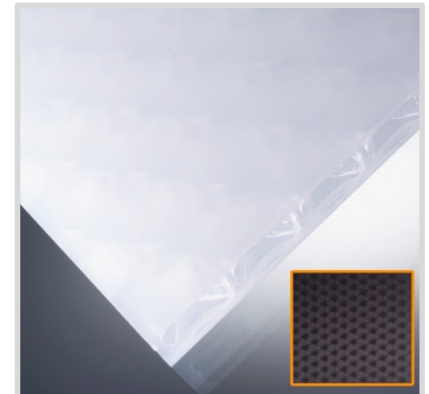


## PRODUCT DESCRIPTION

**Facing sheet on both sides:** PMMA satin\*

**Core:** PC-TRCore honeycomb

\*standard colour: clear-PEP<sup>®</sup> UV PMMA satin: clear, opal, orange, electric blue, grey;  
other colours on request



The distinctive TRCore for our clear-PEP<sup>®</sup> 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<sup>®</sup> 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

## GENERAL PHYSICAL PROPERTIES

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

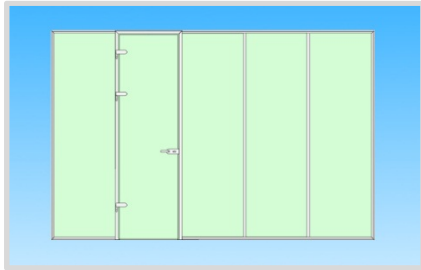
## MECHANICAL PROPERTIES

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* [Nm <sup>2</sup> ]
16	10,8	2,9	26	597
<b>19</b>	<b>10,8</b>	<b>2,8</b>	<b>26</b>	<b>829</b>
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

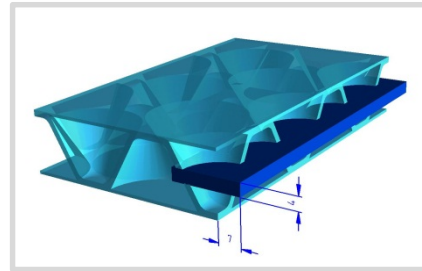
\*per 1 m panel width

## MOUNTING SYSTEMS FOR ALL clear-PEP<sup>®</sup> PANELS

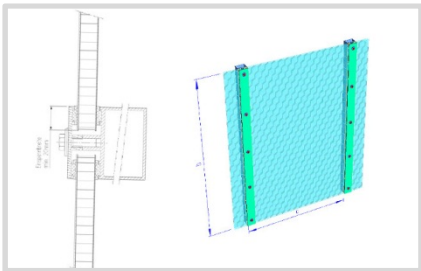
Profile system for dividing walls



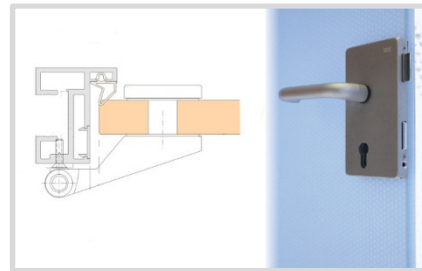
Tongue and groove joint



Profile system for glazing




Furniture for hinged doors



## APPLICATIONS

interior

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

customized application according our mission 

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

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.