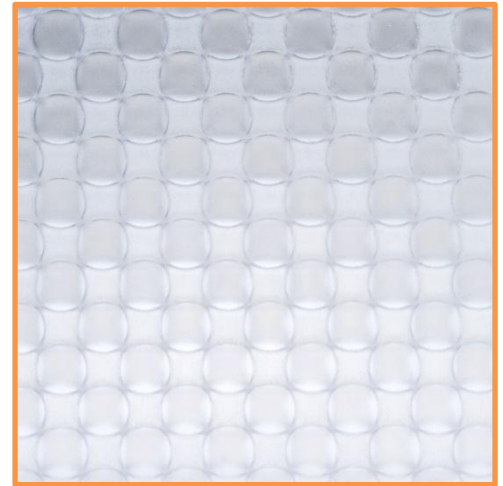


The distinctive TRlcore, for our clear-PEP<sup>®</sup> panels, is manufactured on our specially designed and patented core expander. The innovative characteristic of the open cell structure gives the lightweight panels not just a unique depth but also an extremely high rigidity.

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.



## Product description

Facing sheet on both sides	PMMA satin*
Core	PC - TRlcore spy honeycomb

\*Standard colour: clear; other colours on request

## Properties

- innovative translucent optics
- unique 3D effects and light scattering
- excellent UV stability and resistance to weathering
- 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 <sup>1;2</sup>	max. 3020	max. 2020	max. 80

<sup>1</sup> all panels over 3020 x 1500mm with core joint

<sup>2</sup> on request – minimum order per special size: 25 panels

Tolerances	Length [mm]	Width [mm]	Thickness [mm]
Cut to size	+2/-2	+1/-2	+0/-1

## General physical properties

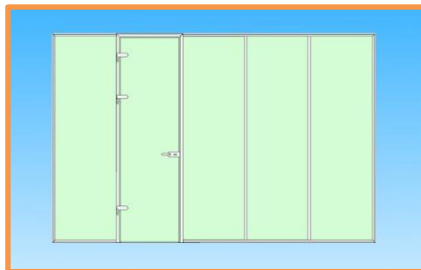
Coefficient of thermal expansion acc. to DIN 53752-A	Service temperature	Fire class		
[1/K]	[°C]	DIN 4102-1	BS 476 Part 7	EN 13501
$7 \times 10^{-5}$	-30 bis +80	B2		

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

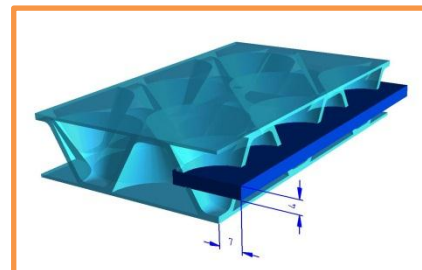
\* per m panel width

## Mounting systems for all clear-PEP<sup>®</sup> panels

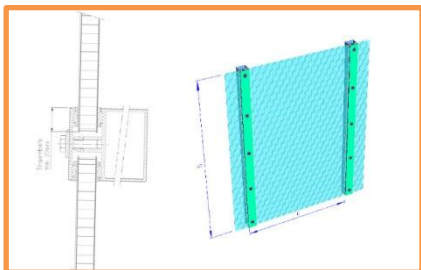
### Profile system for dividing walls



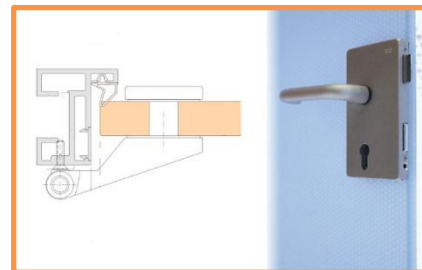
### Tongue and groove joint



### Profile system for glazing



### Furniture for hinged doors



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.