



## Product range

**Translucent Building Elements made of polycarbonate**

Your specialist for translucent building elements

## Product range

Translucent building elements  
made of polycarbonate



### Installation positions

Depending on structural conditions, translucent building elements can be installed with or without aluminium fasteners in reveal, as rainscreen installation or as pitched installation with a minimum pitch of 15°.



installation in reveal



rainscreen installation



pitched rainscreen installation

## Product range

**RODECA** translucent building elements, made of high-quality polycarbonate are available in different thicknesses. Our translucent building elements are produced with a coextruded UV protective layer on the outside. We grant a 10-year warranty against aging and yellowing in accordance with our written guarantee.

Thickness [mm]	Translucent element	U <sub>p</sub> -value [W/m <sup>2</sup> K] vertical / horizontal	Weight [kg/m <sup>2</sup> ]	Building width [mm]	Fire classification according to EN 13501
<b>30</b> <b>40</b>	PC 2333-30-6	1.3 W/m <sup>2</sup> K	approx. 3.0 kg/m <sup>2</sup>	333 mm	B-s1, d0
	PC 2540-4	1.4 / 1.5 W/m <sup>2</sup> K	approx. 4.0 kg/m <sup>2</sup>	500 mm	B-s1, d0
	PC 2540-4 MC	1.5 / 1.6 W/m <sup>2</sup> K	approx. 4.0 kg/m <sup>2</sup>	500 mm	B-s1, d0
	PC 2540-6	1.2 / 1.2 W/m <sup>2</sup> K	approx. 4.2 kg/m <sup>2</sup>	500 mm	B-s1, d0
	PC 2540-7	1.1 / 1.2 W/m <sup>2</sup> K	approx. 4.3 kg/m <sup>2</sup>	500 mm	B-s1, d0
	PC 2540-10	1.0 / 1.0 W/m <sup>2</sup> K	approx. 4.2 kg/m <sup>2</sup>	500 mm	B-s1, d0
	PC 2540-10DX	1.1 / 1.1 W/m <sup>2</sup> K	approx. 4.6 kg/m <sup>2</sup>	495 mm	B-s1, d0
	PC 2540-10DX HI	1.1 / 1.1 W/m <sup>2</sup> K	approx. 5.8 kg/m <sup>2</sup>	495 mm	B-s1, d0
<b>50</b> <b>60</b>	PC 2550-10	0.90 / 0.92 W/m <sup>2</sup> K	approx. 5.0 kg/m <sup>2</sup>	495 mm	B-s1, d0
	PC 2560-12	0.75 / 0.77 W/m <sup>2</sup> K	approx. 5.8 kg/m <sup>2</sup>	500 mm	B-s1, d0

Production tolerances s. general information

## Versions

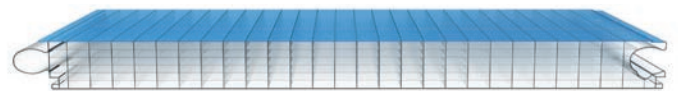
**Color:** the entire panel is coloured in one colour



**BiColor:** two-coloured version of the panel, the inside layer has another colour than the rest of the panel



**DecoColor:** two-coloured version of the panel, the outside layer has another colour than the rest of the panel



**DecoStripe:** basic body in crystal, stripes are offset on both sides in the colour of choice



**DuoColor:** two-coloured version of the panel, approx. one half of panel is coloured differently than the other



## Advantages

- polycarbonate is a crystal clear, high impact thermoplastic
- temperature resistance from von - 40 to +115°C, temporarily up to 130°C
- impact resistance virtually unchanged within these temperatures
- good long term performance through UV protection
- 10 years warranty against yellowing - ageing - hail stone
- translucent with excellent thermal properties

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**PC 2333-30-6**

Building width	333 mm
Thickness	30 mm
Weight	approx. 3.0 kg/m <sup>2</sup>
U <sub>p</sub> -value	1.3 W/m <sup>2</sup> K vertical installation
Fire classification	B-s1, d0 according to EN 13501
Light transmission	crystal approx. 60%   opal approx. 31%
Versions	crystal, opal, Color (minimum quantities see product data sheet)

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**PC 2540-4 MC**

Building width	500 mm
Thickness	40 mm
Weight	approx. 4.0 kg/m <sup>2</sup>
U <sub>p</sub> -value	1.5 W/m <sup>2</sup> K vertical   1.6 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	crystal approx. 66%   opal approx. 29%
Versions	crystal, opal, Color (minimum quantities see product data sheet)

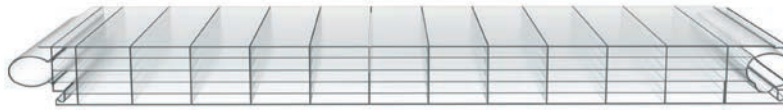
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**PC 2540-4**

Building width	500 mm
Thickness	40 mm
Weight	approx. 4.0 kg/m <sup>2</sup>
U <sub>p</sub> -value	1.4 W/m <sup>2</sup> K vertical   1.5 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	crystal approx. 63%   opal approx. 28%
Versions	crystal, opal, Color, BiColor (minimum quantities see product data sheet)

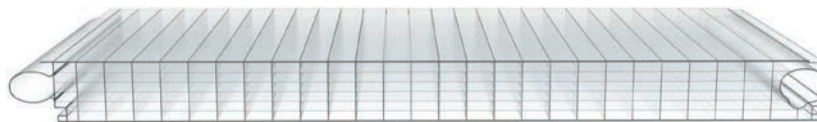
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**PC 2540-6**

Building width	500 mm
Thickness	40 mm
Weight	approx. 4.2 kg/m <sup>2</sup>
U <sub>p</sub> -value	1.2 W/m <sup>2</sup> K vertical   1.2 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	crystal approx. 60%   opal approx. 28%
Versions	crystal, opal, Color, DecoStripe (minimum quantities see product data sheet)

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**PC 2540-7**

Building width	500 mm
Thickness	40 mm
Weight	approx. 4.3 kg/m <sup>2</sup>
U <sub>p</sub> -value	1.1 W/m <sup>2</sup> K vertical   1.2 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	crystal approx. 55%   opal approx. 25%
Versions	crystal, opal, Color, DecoColor (minimum quantities see product data sheet)

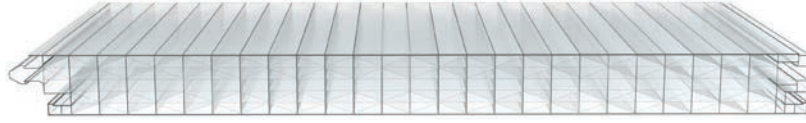
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**PC 2540-10**

Building width	500 mm
Thickness	40 mm
Weight	approx. 4.2 kg/m <sup>2</sup>
U <sub>p</sub> -value	1.0 W/m <sup>2</sup> K vertical   1.0 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	crystal approx. 84%   opal approx. 25%
Versions	crystal, opal, Color, DuoColor (minimum quantities see product data sheet)

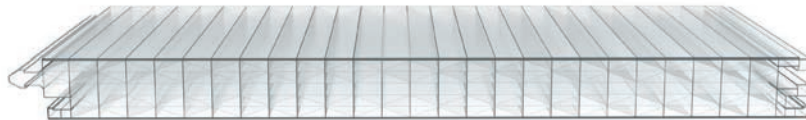
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**PC 2540-10DX**

Building width	495 mm
Thickness	40 mm
Weight	approx. 4.6 kg/m <sup>2</sup>
U <sub>p</sub> -value	1.1 W/m <sup>2</sup> K vertical   1.1 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	crystal approx. 46%   opal approx. 18%
Versions	crystal, opal, Color, DuoColor (minimum quantities see product data sheet)

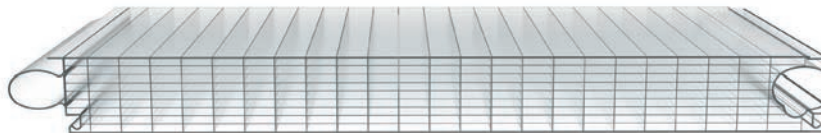
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**PC 2540-10DX HI**

Building width	495 mm
Thickness	40 mm
Weight	approx. 5.8 kg/m <sup>2</sup>
U <sub>p</sub> -value	1.1 W/m <sup>2</sup> K vertical   1.1 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Versions	crystal, opal, Color (minimum quantities see product data sheet)

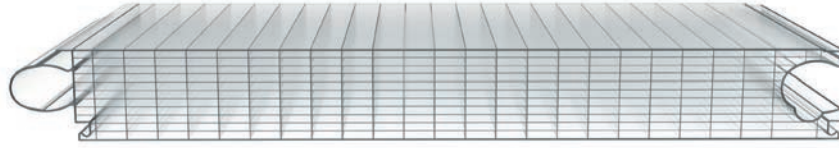
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**PC 2550-10**

Building width	495 mm
Thickness	50 mm
Weight	approx. 5.0 kg/m <sup>2</sup>
U <sub>p</sub> -value	0.90 W/m <sup>2</sup> K vertical   0.92 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	crystal approx. 48%   opal approx. 21%   petrol approx. 38%
Versions	crystal, opal, Color, DuoColor (minimum quantities see product data sheet)

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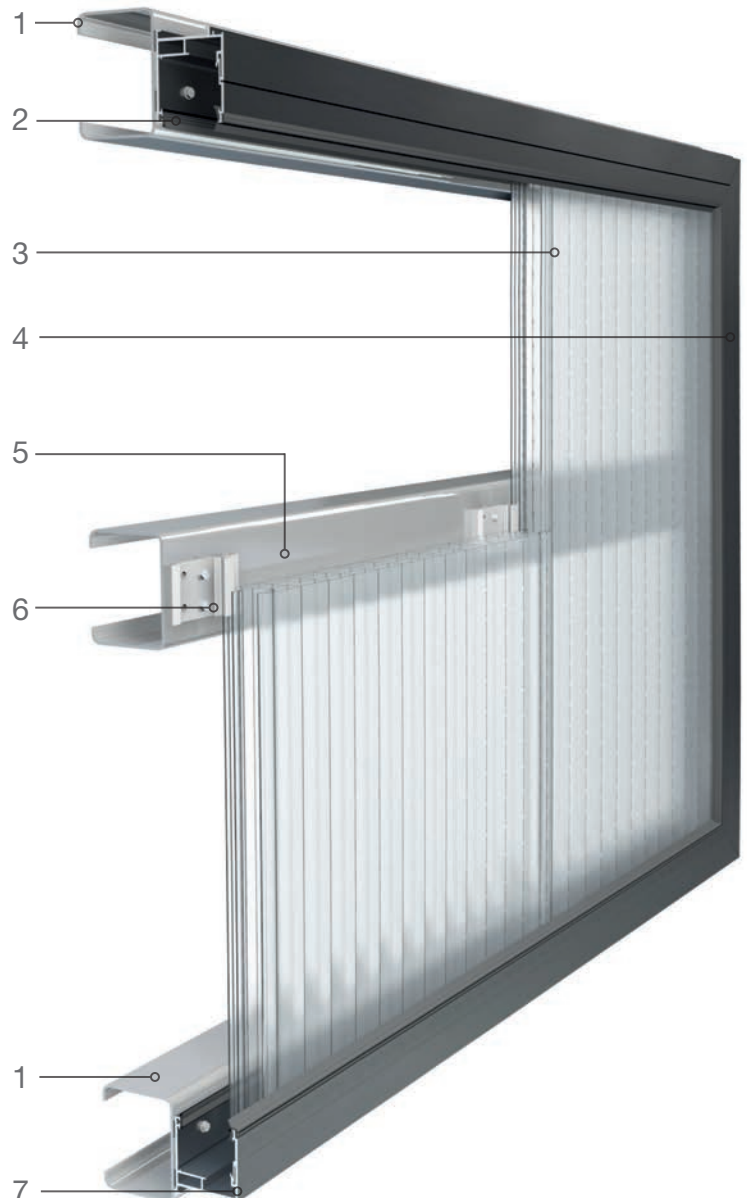
**PC 2560-12**

Building width	500 mm
Thickness	60 mm
Weight	approx. 5.8 kg/m <sup>2</sup>
U <sub>p</sub> -value	0.75 W/m <sup>2</sup> K vertical   0.77 W/m <sup>2</sup> K horizontal
Fire classification	B-s1, d0 according to EN 13501
Light transmission	crystal approx. 42%   opal approx. 18%
Versions	crystal, opal, Color, DuoColor (minimum quantities see product data sheet)

**System**

Overview

- 1 substructure on site
- 2 top frame profile
- 3 translucent building element
- 4 lateral frame profile
- 5 substructure on site
- 6 for continuous span systems fastener
- 7 for continuous span systems base profile with drainage

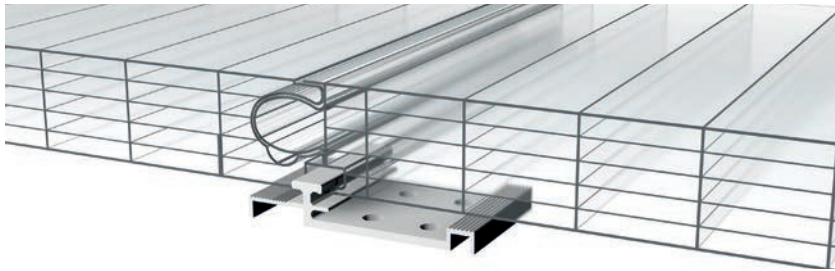


## Accessories

### Aluminium frame system

#### Rodeca aluminium frame system

Rodeca frame systems are made of extruded aluminium profiles consisting of aluminium EN AW-6060, status T 66 according to DIN EN 755-2. The ribs are made of fiber glass reinforced polyamide PA66 with fiber glass part of 25 %. The seals are made of TPE/TPV. Installation manuals can be downloaded at [www.rodeca.de](http://www.rodeca.de).



#### Aluminium fastener

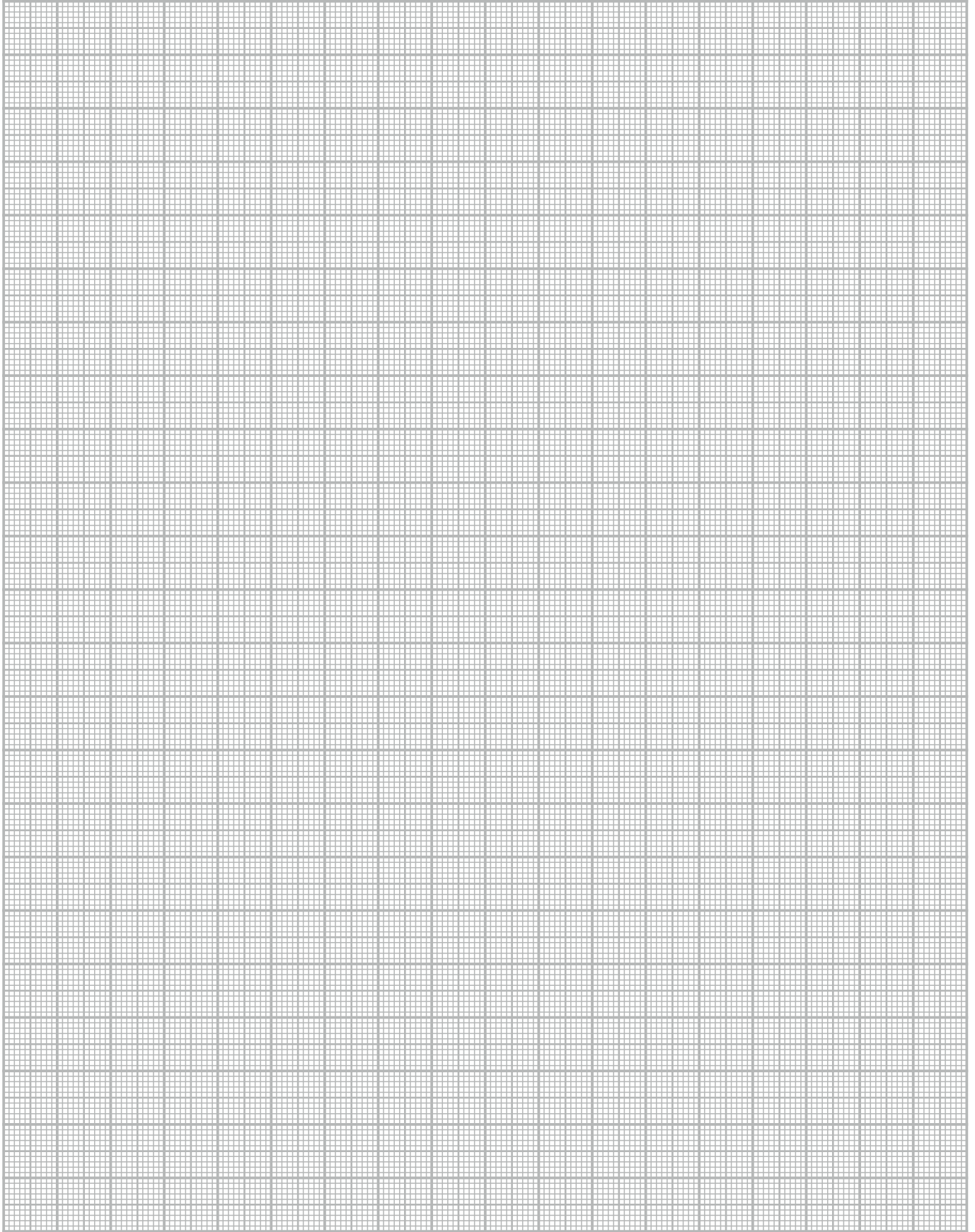
Versions	Height	Panel system
mill finish / anodised E6/C0 / powder coated according to RAL 49404050	50 mm	2540-4   2540-4 MC   2540-6   2540-7   2540-10
494040100	100 mm	2540-4   2540-4 MC   2540-6   2540-7   2540-10
4940x60	60 mm	2540-10DX   2540-10DX HI
4940x120	120 mm	2540-10DX   2540-10DX HI
49405060	120 mm	2550-10
494050120	60 mm	2550-10
49406060	60 mm	2560-12
494060120	120 mm	2560-12



#### Aluminium frame profiles (delivery length 6,0 m)

Versions	Panel [mm]	Version	Height of profile
mill finish / anodised E6/C0 / powder coated according to RAL 454001/02   455001/02   456001/02	40   50   60	thermal break	100 mm
454011/12   455011/12   456011/12	40   50   60	thermal break	70 mm
414001/02   455001/02   456001/02	40   50   60	no thermal break	100 mm
414011/12   415011/12   416011/12	40   50   60	no thermal break	70 mm
423040	30	no thermal break	50 mm

Special profiles, window sills and accessories, as well as prefabricated frames see technical manuals  
<https://www.rodeca.de/downloads.html>



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