

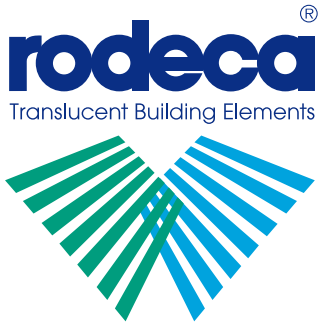


Translucent Building Elements

Lichtbauelemente



TRANSLUCENT BUILDING ELEMENTS



Translucent Building Elements

Multi Wall Sheets
Hohlkammerscheiben

Multi Function Panels
Multi - Funktions-Paneele

Translucent Building Elements

Available thicknesses/ manufacturing program

Advantages

- Polycarbonate is a crystal clear, high impact thermoplastic
- Temperature resistance from -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

Applications

- Glazings
- Sports and industrial halls
- Roofing construction
- Northern Lights
- Window glazing
- Interior applications, e. g. partition walls or exhibition stand constructions
- Refurbishments for wall and roof
- Rain screens
- Curtain facades

40	Panel	Up-value W/m ² K**	Weight in kg/m ²	Building width (mm)
	2540-4	1.3 - 1.5 W/m ² K	approx. 4.0 kg/m ²	500 (+1/-1%)
	2540-4 MC	1.3 - 1.6 W/m ² K	approx. 4.0 kg/m ²	500 (+1/-1%)
	2540-6	1.1 - 1.2 W/m ² K	approx. 4.2 kg/m ²	500 (+1/-1%)
	2540-7	1.0 - 1.1 W/m ² K	approx. 4.3 kg/m ²	500 (+1/-1%)
	2540-10	1.0 W/m ² K	approx. 4.2 kg/m ²	500 (+1/-1%)

PC 2540-4

Colours:

Standard: crystal / opal / Bicolor*

*Upon request both sides UV-coextrusion possible

Color version: from 300 m²

Bicolor version: from 150 m²



PC 2540-4 MC

Colours:

Standard: crystal / opal

Color version: from 300 m²



PC 2540-6

Colours:

Standard: crystal / opal / color*

Color version: from 300 m²



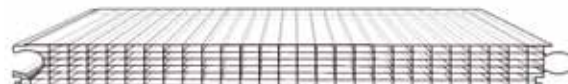
PC 2540-7

Colours:

Standard: crystal / opal / Decocolor*

Color version: from 450 m²

Decocolor version: from 150 m²

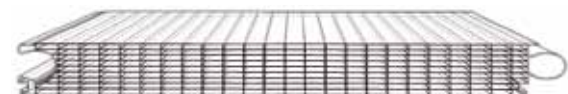


PC 2540-10

Colours:

Standard: crystal / opal

Color version: from 300 m²





RT-Thermolight
RT-Thermolight

U-Panels
U-Paneele

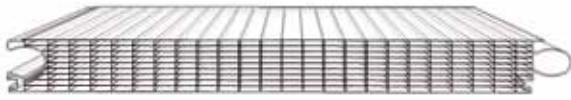
Windows
Fenster

Do it yourself
Do it yourself

50	Panel	Up-value W/m ² K**	Weight per kg/m ²	Building width (mm)
	2550-10	0.80 - 0.92 W/m ² K	approx. 5.0 kg/m ²	495 (+1/-1%)

PC 2550-10

Colours:
Standard: crystal / opal / color*

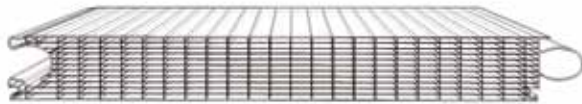


Duocolor version: from 300 m²
Color version: from 300 m²

60	Panel	Up-value W/m ² K**	Weight per kg/m ²	Building width (mm)
	2560-12	0.71 - 0.77 W/m ² K	approx. 5.8 kg/m ²	500 (+1/-1%)

PC 2560-12

Colours:
Standard: crystal / opal



Color version: from 300 m²

Product versions

Color version: fully coloured panel



Bicolor version: colouring of the inner layer



Decocolor version: colouring of the outer layer



Duocolor version: colouring of approx. one half of the panel

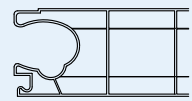


* Minimum quantities, other colour combinations and our versatile product versions can be viewed in our technical manuals.

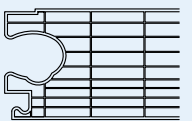
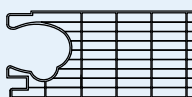
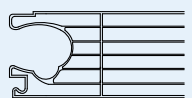
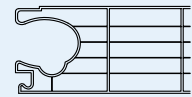
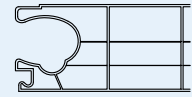
**** Up-values**

Depending on horizontal or vertical installation situation as interior or exterior application according to DIN EN ISO 6946:2008/ DIN EN ISO 10077-2:2008

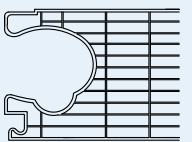
Panels



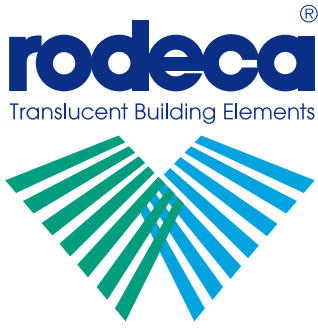
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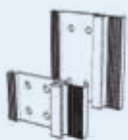
Translucent Building Elements

Fastening / fixing

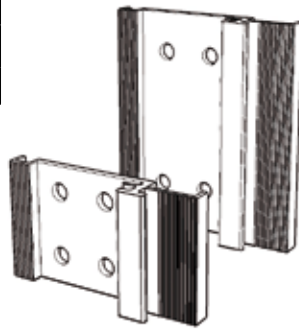
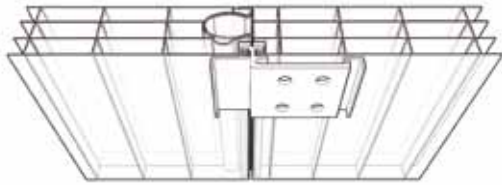
The fasteners slide into the panel groove and are fixed at the substructure. The fasteners provide a continuous and seamless glazing, which gives a light and smooth appearance to the façade.

Fastener

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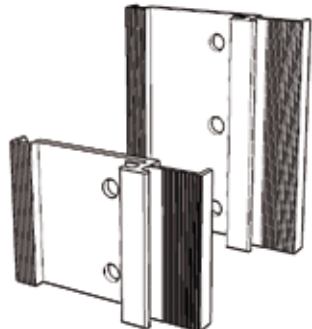
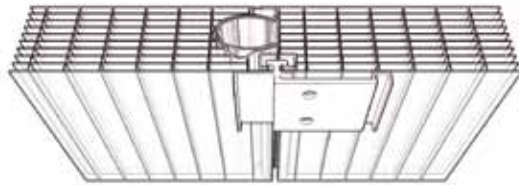
40	System	Clip fastener
	PC 2540-x AF 50	49404050
	PC 2540-x AF 100	494040100



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50	System	Clip fastener
	PC 2550-10 AF 60	49405060
	PC 2550-10 AF 120	494050120





RT-Thermolight
RT-Thermolight

U-Panels
U-Paneele

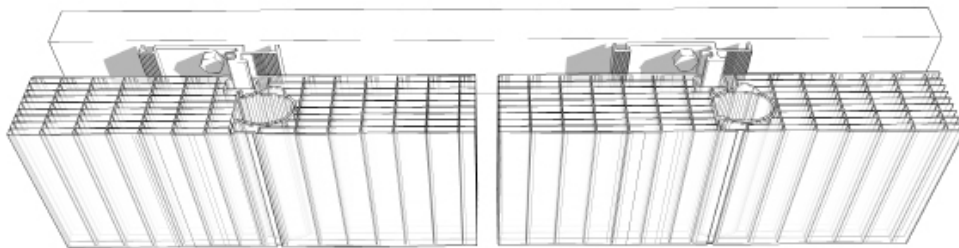
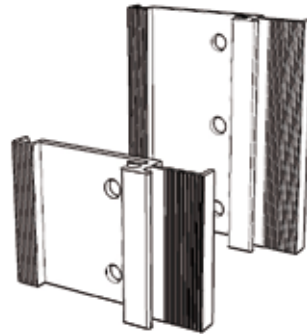
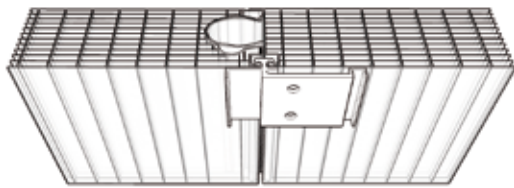
Windows
Fenster

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Material properties

The Rodeca clip fastener is made of extruded aluminium (EN AW 6060, status T66 according to DIN EN 755-2).

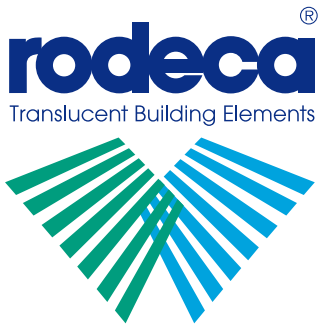
60	System	Clip fastener
	PC 2560-12 AF 60	49405060
	PC 2560-12 AF 120	494050120



Fastener



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Thermally broken aluminium frame profiles

The thermally broken perimeter frame profiles are made of extruded aluminium (type EN AW-6060, status T 66 according to DIN EN 755-2). The ribs are made of fibre glass reinforced polyamide PA 66 with fibre glass part of 25%. The gaskets are made of TPE.

Non-thermally broken aluminium frame profiles

The non-thermally broken perimeter frame profiles are made of extruded aluminium (type EN AW-6060, status T 66 according to DIN EN 755-2). The gaskets are made of TPE.

Framing systems

The perimeter frame profiles are available in thermally broken and non-thermally broken versions. They provide the main retention point of the panels to give a clean and water tight finish to the facade perimeter. Available in mill or anodized finish or powder coated to RAL.





RT-Thermolight
RT-Thermolight

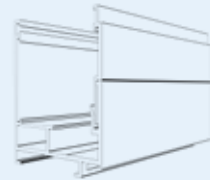
U-Panels
U-Paneele

Windows
Fenster

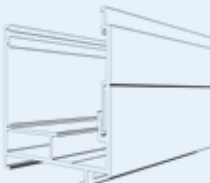
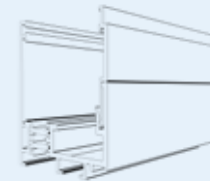
Do it yourself
Do it yourself



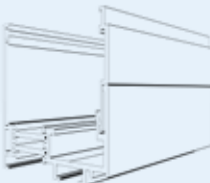
Profiles



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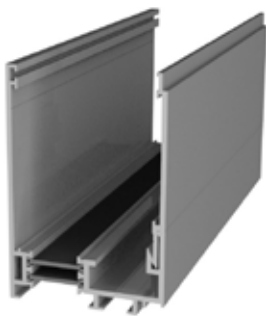


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An example for thermally broken frame profiles

Two pieces aluminium frame profile with inner and outer gasket



Application

Installation advice, application requirements and further technical information can be viewed in our technical manuals and installation manuals.



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The RODECA product groups overview / Die RODECA Produktgruppen im Überblick:



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Hohlkammerscheiben



Multi Function Panels

Multi-Funktions-Paneele



U-Panels

U-Paneele



RT-Thermolight

RT-Thermolight



Windows

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