

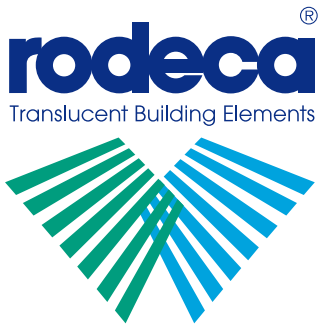


Translucent Building Elements

Lichtbauelemente



TRANSLUCENT BUILDING ELEMENTS



Translucent Building Elements



Multi Wall Sheets
Hohkammerscheiben



Multi Function Panels
Multi - Funktions-Paneele



U-Panels
U-Paneele



Translucent Building Elements

Available thicknesses/ manufacturing program

30	Panel	Up-value W/m ² K**	Weight in kg/m ²	Building width (mm)
	2530-4	1.4 - 1.7 W/m ² K	approx. 3.4 kg/m ²	500 (+1/-1%)

PC 2530-4

Colours
Standard: crystal / opal



Color version: from 300 m²

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

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	0.99 - 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

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

PC 2540-4 MC

Colours:
Standard: crystal / opal



Color version: from 300 m²

PC 2540-6

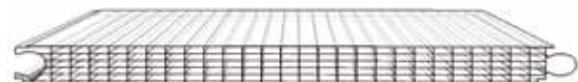
Colours:
Standard: crystal / opal / color*



Color version: from 300 m²

PC 2540-7

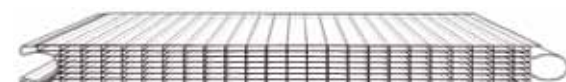
Colours:
Standard: crystal / opal/ Decocolor*
*Upon request both sides UV-coextrusion possible



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

 RT-Roof Lights
RT-Dachlichtbänder

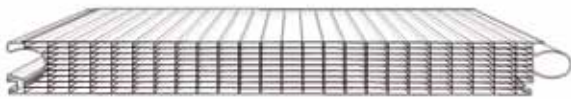
 Windows
Fenster

 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 - 0.89 W/m ² K	approx. 5.0 kg/m ²	495 (+1/-1%)

PC 2550-10

Colours:
Standard: crystal / opal / color*

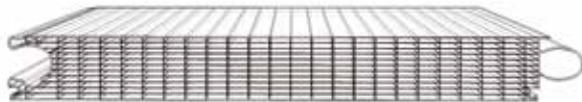


Duocolor version: from 300 m²
Color version: from 300 m²

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

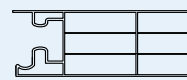


* Minimum quantities, other colour combinations and our versatile product versions can be viewed in our technical manuals.

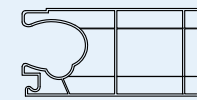
** Up-values

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

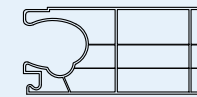
Panels



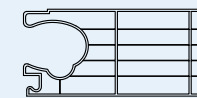
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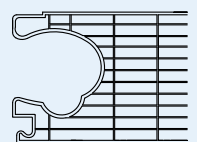
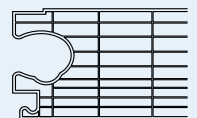
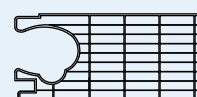
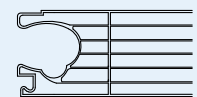
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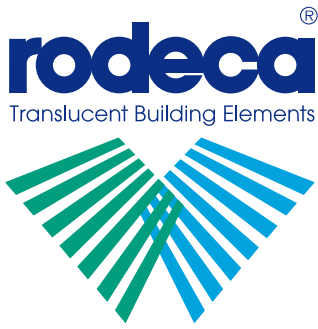


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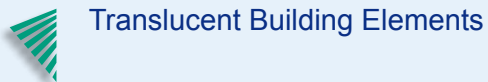


Translucent Building Elements

Multi Wall Sheets
Hohkammerscheiben

Multi Function Panels
Multi - Funktions-Paneele

U-Panels
U-Paneele



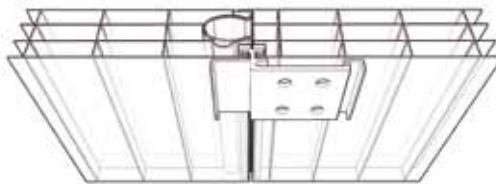
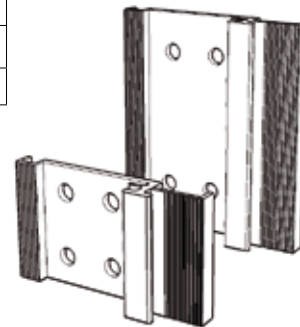
Fastening / fixing

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

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

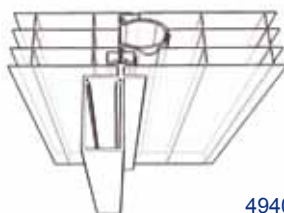
40	System	Clip fastener
	PC 2540-x AF 50	49404050
	PC 2540-x AF 100	494040100



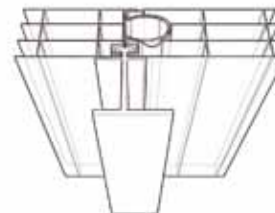
Types

- Clip fastener
- Aluminium continuous fastener
- Translucent PC continuous fastener

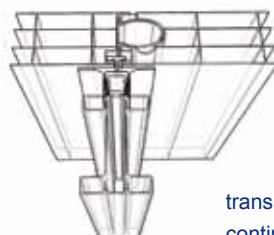
Continuous fastener



494096



494097



translucent polycarbonate
continuous fastener
304001+304002






 RT-Thermolight
RT-Thermolight

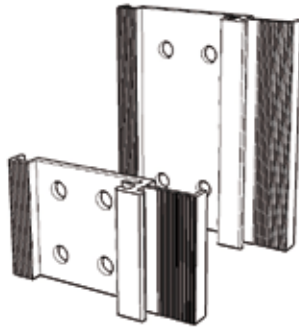
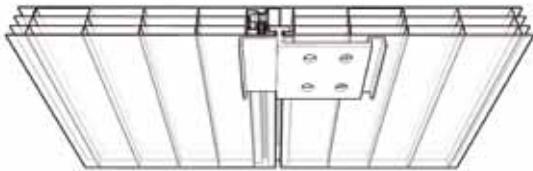
 RT-Roof Lights
RT-Dachlichtbänder

 Windows
Fenster

 Do it yourself
Do it yourself

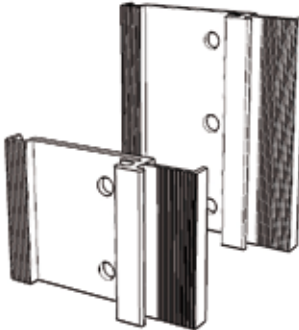
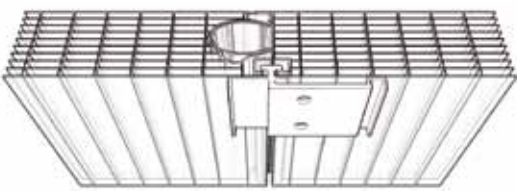
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System	Clip fastener
PC 2530-4 AF 50	49404050
PC 2530-4 AF 100	494040100



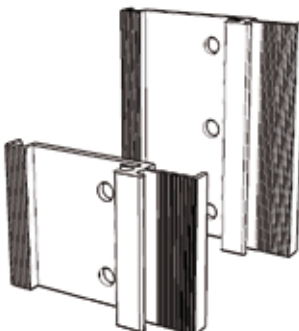
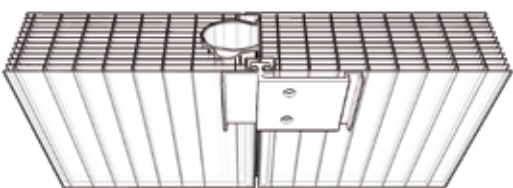
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System	Clip fastener
PC 2550-10 AF 60	49405060
PC 2550-10 AF 120	494050120



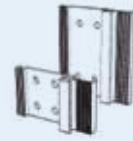
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System	Clip fastener
PC 2560-12 AF 60	49405060
PC 2560-12 AF 120	494050120



Fasteners

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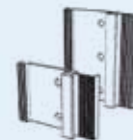
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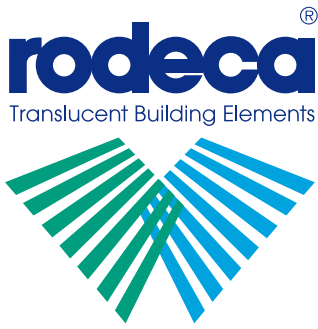


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Translucent Building Elements

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

RT-Roof Lights
RT-Dachlichtbänder

Windows
Fenster

Do it yourself
Do it yourself



An example for thermally broken frame profiles

Two pieces top and side profile with inner and outer gasket

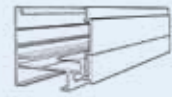


Two pieces base profile with inner and outer gasket

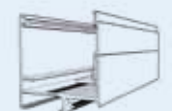
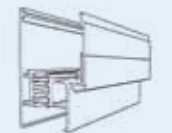
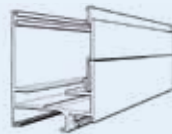
Profiles



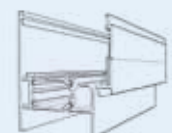
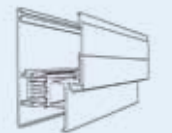
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Application

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:

 **Translucent Building Elements**
Lichtbauelemente

 **Multi Wall Sheets**
Hohlkammerscheiben


 **Multi Function Panels**
Multi-Funktions-Paneele

 **U-Panels**
U-Paneele

 **RT-Thermolight**
RT-Thermolight

 **RT-Roof Lights**
RT-Dachlichtbänder

 **Windows**
Fenster

 **Do it yourself**
Do it yourself