

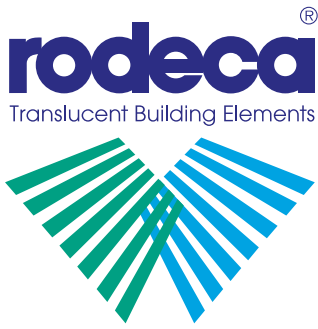


# Translucent Building Elements

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 <sup>2</sup> K**	Weight in kg/m <sup>2</sup>	Building width (mm)
	2540-4	1.3 - 1.5 W/m <sup>2</sup> K	approx. 4.0 kg/m <sup>2</sup>	500 (-2/+6mm)
	2540-4 MC	1.3 - 1.6 W/m <sup>2</sup> K	approx. 4.0 kg/m <sup>2</sup>	500 (-2/+6mm)
	2540-6	1.1 - 1.2 W/m <sup>2</sup> K	approx. 4.2 kg/m <sup>2</sup>	500 (-2/+6mm)
	2540-7	1.0 - 1.1 W/m <sup>2</sup> K	approx. 4.3 kg/m <sup>2</sup>	500 (-2/+6mm)
	2540-10	1.0 W/m <sup>2</sup> K	approx. 4.2 kg/m <sup>2</sup>	500 (-2/+6mm)

#### PC 2540-4



Colours:

Standard: crystal / opal / BiColor\*

\*Upon request both sides UV-coextrusion possible

Color version: from 300 m<sup>2</sup>

BiColor version: from 150 m<sup>2</sup>

#### PC 2540-4 MC



Colours:

Standard: crystal / opal

Color version: from 300 m<sup>2</sup>

#### PC 2540-6



Colours:

Standard: crystal / opal / color\*

Color version: from 300 m<sup>2</sup>

#### PC 2540-7



Colours:

Standard: crystal / opal/ DecoColor\*

\*Upon request both sides UV-coextrusion possible

Color version: from 450 m<sup>2</sup>

DecoColor version: from 150 m<sup>2</sup>

#### PC 2540-10

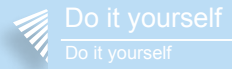


Colours:

Standard: crystal / opal

Color version: from 300 m<sup>2</sup>

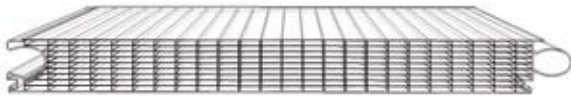




50	Panel	Up-value W/m <sup>2</sup> K**	Weight per kg/m <sup>2</sup>	Building width (mm)
	2550-10	0.80 - 0.92 W/m <sup>2</sup> K	approx. 5.0 kg/m <sup>2</sup>	495 (-2/+6mm)

### PC 2550-10

Colours:  
Standard: crystal / opal / color\*

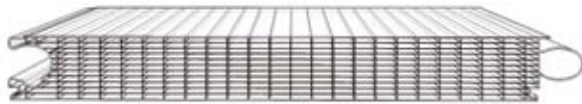


DuoColor version: from 300 m<sup>2</sup>  
Color version: from 300 m<sup>2</sup>

60	Panel	Up-value W/m <sup>2</sup> K**	Weight per kg/m <sup>2</sup>	Building width (mm)
	2560-12	0.71 - 0.77 W/m <sup>2</sup> K	approx. 5.8 kg/m <sup>2</sup>	500 (-2/+6mm)

### PC 2560-12

Colours:  
Standard: crystal / opal



DuoColor version: from 300 m<sup>2</sup>  
Color version: from 300 m<sup>2</sup>

### 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

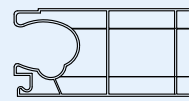


\* Minimum quantities, other colour combinations and our versatile product versions can be viewed in our technical manuals.

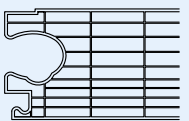
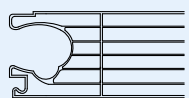
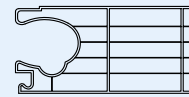
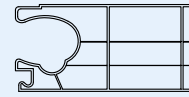
### \*\* Up-values

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

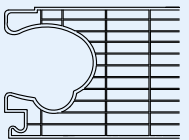
## Panels



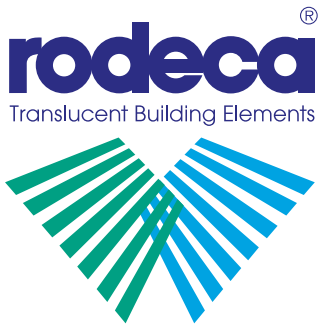
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Multi Wall Sheets  
Hohlkammerscheiben

Multi Function Panels  
Multi - Funktions-Paneele

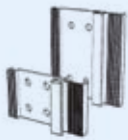
Translucent Building Elements

## 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.

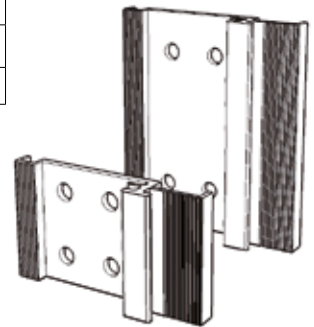
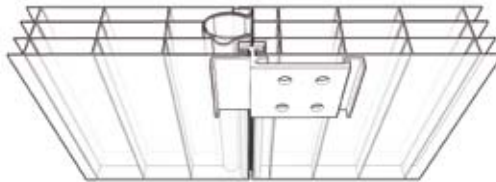
### Fastener

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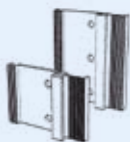


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System	Clip fastener
PC 2540-x AF 50	49404050
PC 2540-x AF 100	494040100

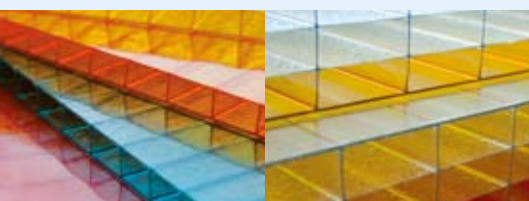
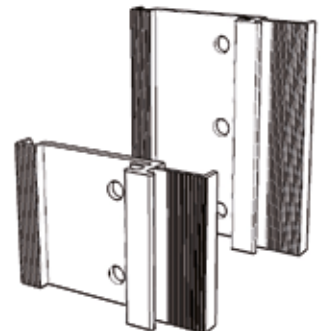
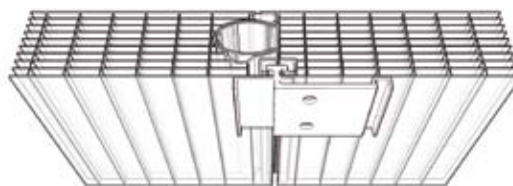


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System	Clip fastener
PC 2550-10 AF 60	49405060
PC 2550-10 AF 120	494050120





RT-Thermolight  
RT-Thermolight

U-Panels  
U-Paneele

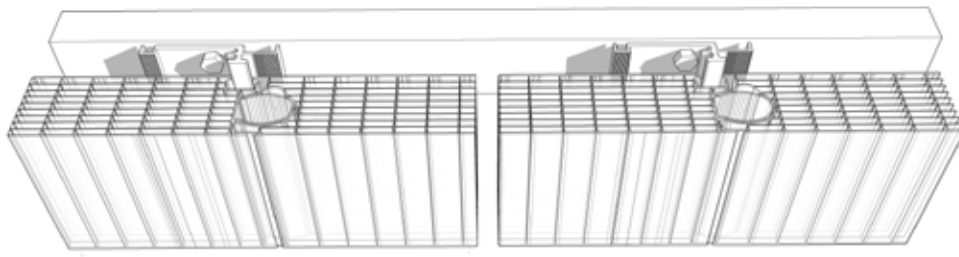
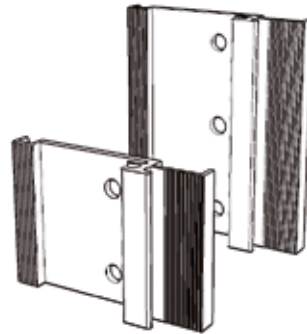
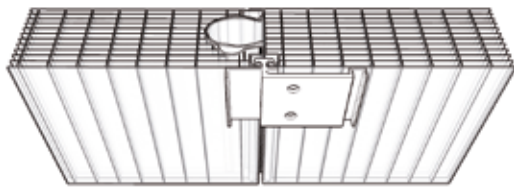
Windows  
Fenster

Do it yourself  
Do it yourself

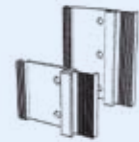
## Material properties

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

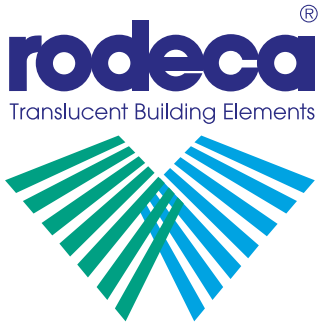
60	System	Clip fastener
	PC 2560-12 AF 60	49406060
	PC 2560-12 AF 120	494060120



## Fastener



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# Translucent Building Elements

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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

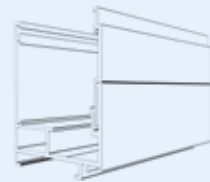
U-Panels  
U-Paneele

Windows  
Fenster

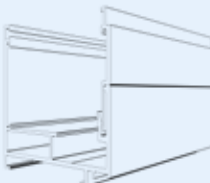
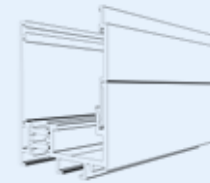
Do it yourself  
Do it yourself



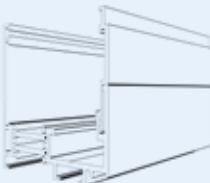
## Profiles



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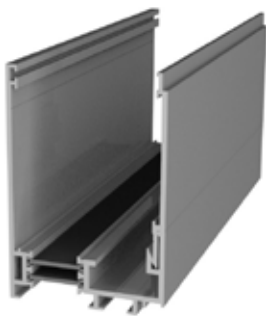


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### An example for thermally broken frame profiles

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:



### Translucent Building Elements

Lichtbauelemente



### Multi Wall Sheets

Hohlkammerscheiben



### Multi Function Panels

Multi-Funktions-Paneele



### U-Panels

U-Paneele



### RT-Thermolight

RT-Thermolight



### Windows

Fenster



### Do it yourself

Do it yourself