



## Thermolight

**Product range**

**Translucent roof elements made of polycarbonate**

## Thermolight product range

**RODECA** Thermolight panels, made of high quality polycarbonate, can be produced in various thicknesses and widths. They are economical, quick and easy to integrate into roof constructions made of trapezoidal metal sheets or profiled sandwich panels. Our Thermolight panels are produced with a co-extruded UV protective layer on the outside. We grant a 10-year warranty against aging and yellowing in accordance with our written guarantee.

Thickness [mm]	Panel	U <sub>p</sub> -value [W/m <sup>2</sup> K]	Weight [kg/m <sup>2</sup> ]	Building width [mm]	Fire classification EN 13501
<b>30</b>	PC 21000-30-XL	approx. 1.4 W/m <sup>2</sup> K	approx. 3.5 kg/rm	1005 mm	B-s1, d0
	PC PLP 1000-30	approx. 1.3 W/m <sup>2</sup> K	approx. 3.5 kg/m <sup>2</sup>	1000 mm	B-s1, d0
<b>40</b>	PC PLP 1000-40	approx. 1.1 W/m <sup>2</sup> K	approx. 3.9 kg/m <sup>2</sup>	1000 mm	B-s1, d0
	PC 2685-3	approx. 1.6 W/m <sup>2</sup> K	approx. 5.2 kg/m <sup>2</sup>	600 mm	B-s1, d0

### Advantages

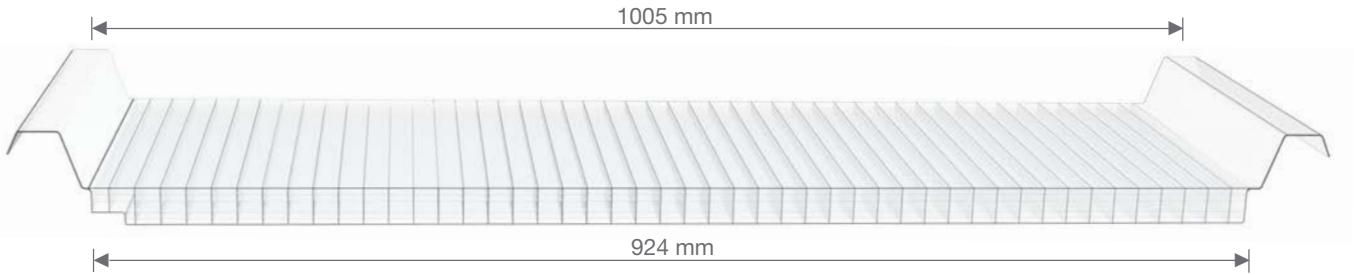
- polycarbonate is a crystal clear, high impact thermoplastic
- temperature resistance from von -40 to +115°C, temporarily up to 130°C
- impact resistance virtually unchanged within these temperatures
- good long term performance through UV protection
- 10 years warranty against yellowing - ageing -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

### Versions

- crystal\*
- opal\* / light opal\*
- Color\*

(\*on request, depending on panel type)

# PC 21000-30-XL



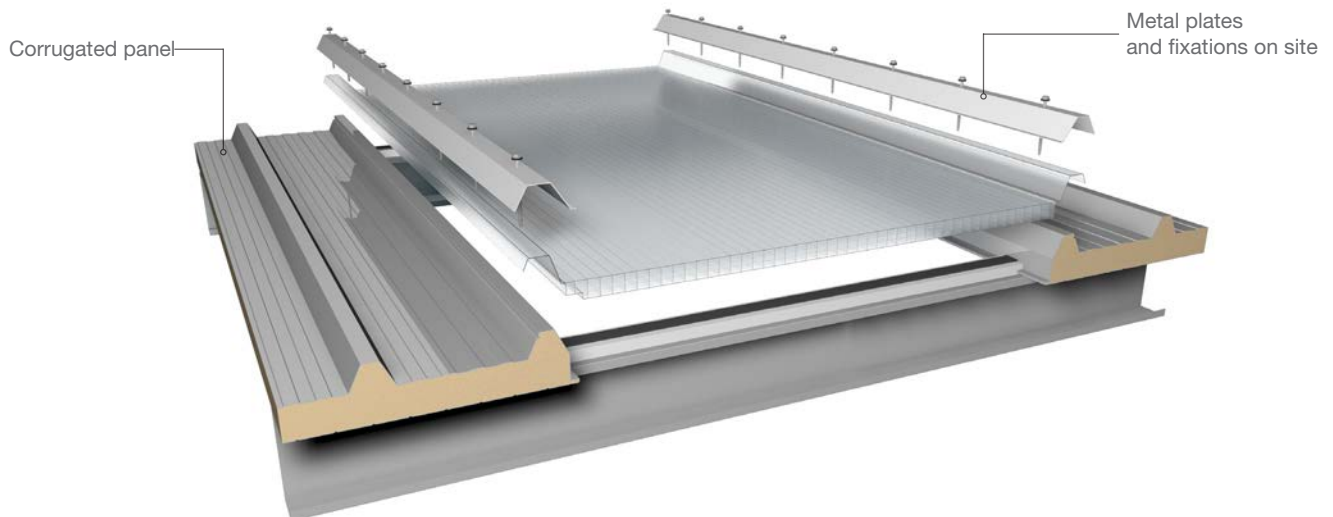
## Product properties

### PC 21000-30-XL

Building width	1005 / 924 mm
Thickness	30 mm +/- 0.5 mm
U <sub>p</sub> -value	approx. 1.4 W/m <sup>2</sup> K
Weight	approx. 3500 g/running meter
Structure	6 layers / 5 chambers
Fire classification	B-s1,d0 according to EN 13501
Light transmission	light opal approx. 45%* (*in-house measurements)
Versions	light opal, Color** (**minimum quantities are necessary)

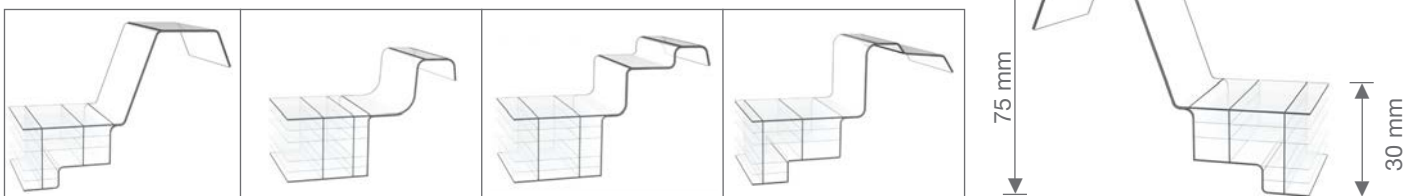
Production tolerances see general information

## System

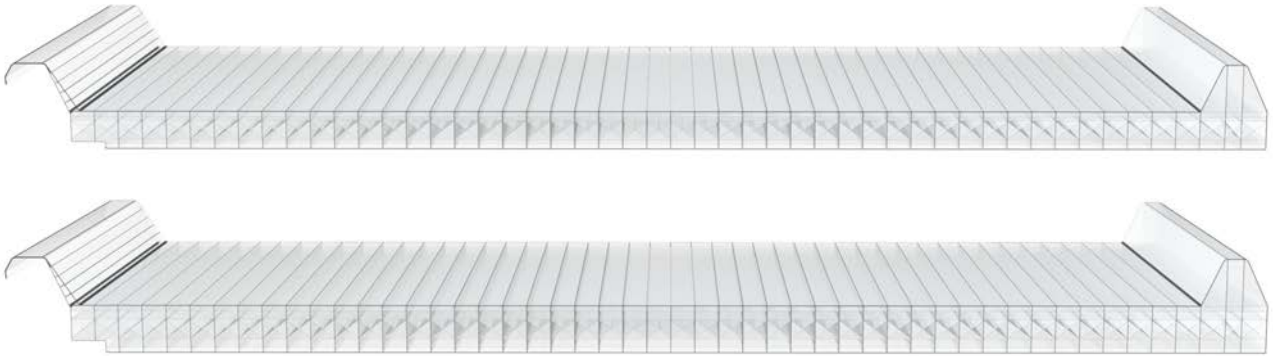


### Adaptation of wings

The lateral wings of panel can be adapted to the used corrugated panels at customers' request.\*  
Please ask about feasibility in advance. \* Minimum quantities are necessary



# PLP 1000-30 | PLP 1000-40

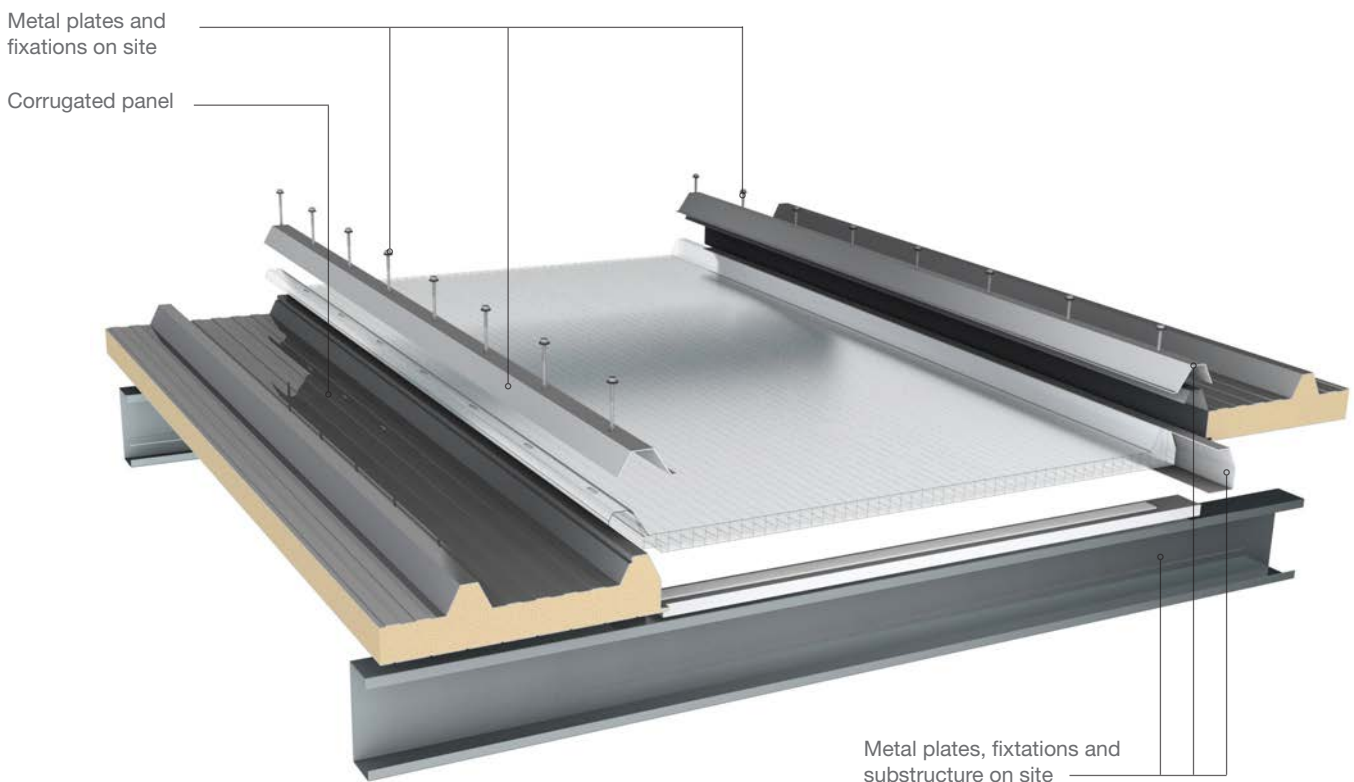


## Product properties

	PLP 1000-30	PLP 1000-40
Building width	1000 mm	1000 mm
Thickness	30 mm	40 mm
Weight	approx. 3.5 kg/m <sup>2</sup>	approx. 3.9 kg/m <sup>2</sup>
Structure	X-structure / 7 layers	X-structure / 7 layers
U <sub>p</sub> -value	approx. 1.3 W/m <sup>2</sup> K	approx. 1.1 W/m <sup>2</sup> K
Fire classification	B-s1, d0 according to EN 13501	B-s1, d0 according to EN 13501
Light transmission	light opal approx. 43%	light opal approx. 38%
Versions	light opal	light opal

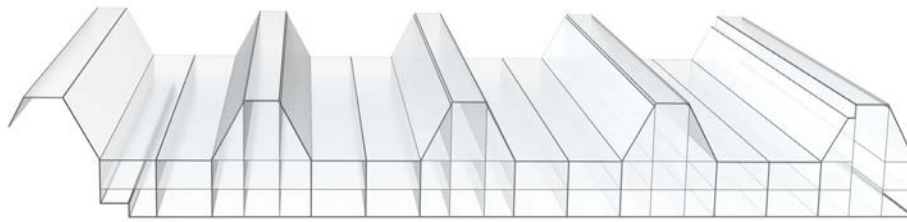
Production tolerances see general information

## System





# PC 2685-3



## Product properties

### PC 2685-3

Building width	600 mm
Thickness	40 / 85 mm
U <sub>p</sub> -value	approx. 1.6 W/m <sup>2</sup> K
Weight	approx. 5.2 kg/m <sup>2</sup>
Structure	corpus 3 layers / 2 chambers corrugation 4 layers / 3 chambers
Fire classification	B-s1, d0 according to EN 13501
Light transmission	crystal approx. 55%* (*in-house measurements)
Versions	crystal, Color** (**minimum quantities are necessary)

Production tolerances see general information

## System

