

## POLYCARBONATE - Full flap

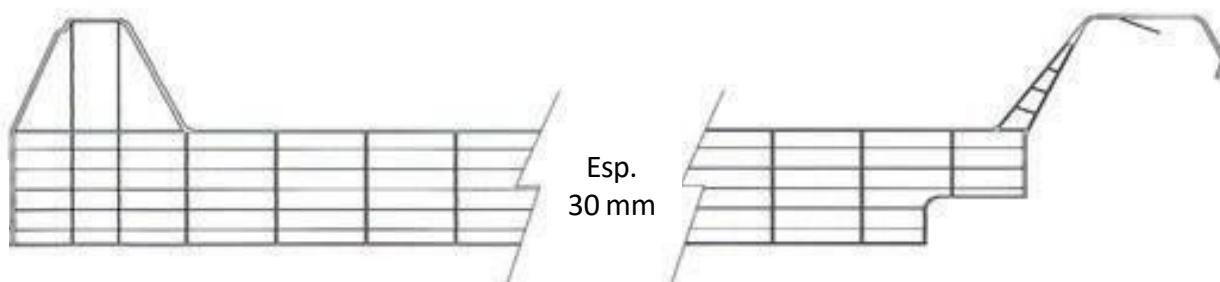
DESIGNED FOR ROOF SYSTEMS

Polycarbonate is a polymer with excellent mechanical properties.

This product is adaptable to cladding panels, offering good thermal insulation, light transmission, resistance to loads and atmospheric agents.



OPALINO



Esp.  
30 mm

### TECHNICAL DATA

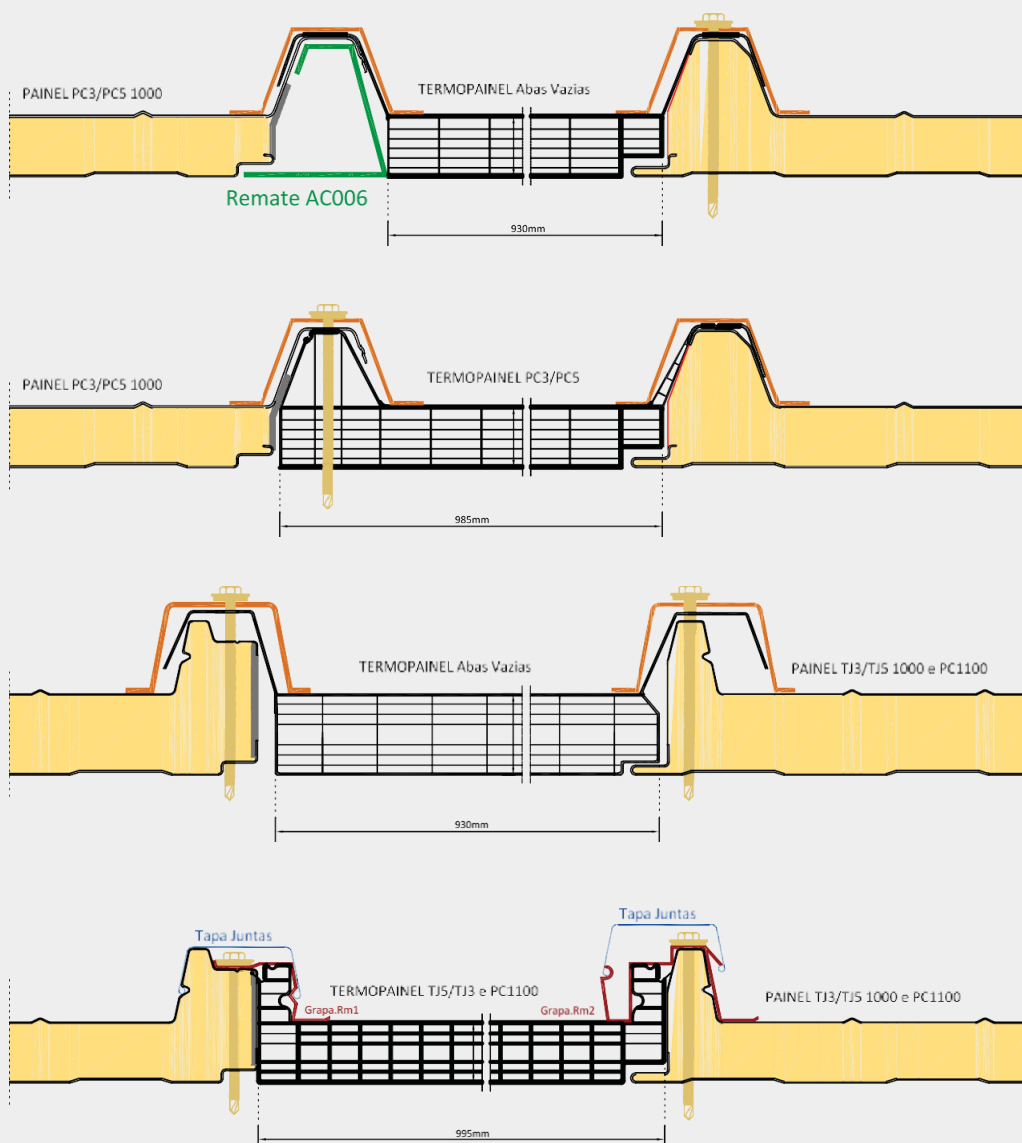
	Value	Unit	Standard
<b>Mechanical properties</b>			
Elastic limit	> 60	N/mm <sup>2</sup>	DIN 53455
Breaking strength $\sigma_r$	> 70	N/mm <sup>2</sup>	DIN 53455
Dilation $\epsilon_y$	6	%	DIN 53455
Rupture expansion $\epsilon_r$	> 100	%	DIN 53455
Tensile elastic modulus E	2.300	N/mm <sup>2</sup>	DIN 53457
Impact resistance $a_n$	+23°	65	kJ/m <sup>2</sup>
	-40°	65	kJ/m <sup>2</sup>
Resistance $a_k$ a + 23°	35	kJ/m <sup>2</sup>	DIN 53453
Impact resistance Izod	> 700	J/m	ASTM 256 -56
Hardness Brinnel H <sub>30</sub>	110	N/mm <sup>2</sup>	DIN 53456
<b>Physical properties</b>			
Specific weight	1,2	g/cm <sup>3</sup>	DIN 53479
Refractive index n <sub>D</sub>	1,58	n <sub>0</sub>	DIN 53491
Water absorption by immersion	0,36	%	DIN 53495
Water vapor permeability (0,1 mm)	15	g/m <sup>2</sup> d	DIN 53122
<b>Thermal properties</b>			
Linear thermal expansion $\alpha$	$6,5 \times 10^{-5}$	1/°C	DIN 53752
Thermal conductivity $\lambda$	0,21	W/m°C	DIN 52612
Working temperature	-20° + 120°	°C	
Softening temperature	145° ~ 150°	°C	DIN 53460
Melting temperature	245° ~ 250°	°C	

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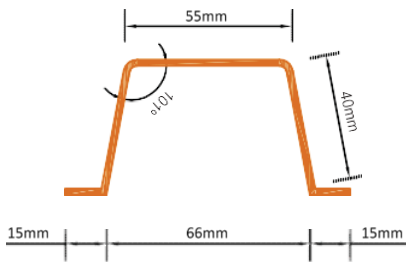
### TECHNICAL DATA

Thickness	30 mm
Vertical wall pitch	24 mm
Horizontal walls	7
Useful width	1.000 mm
Overhang	With / Without
Length	Bespoke
Solar control (G = value)	under study
Thermal insulation	30 1,28 w/m <sup>2</sup> /°K • 40 1,14 w/m <sup>2</sup> /°K
Acoustic insulation	23 - dB
Expansion	0,065 mm / m °C
UV protection	Co extrusion outer face
Fire rating	available
Operating temperature	-30° +120 °C
10-year guarantee	Against hail, loss of transmission, light and yellowing



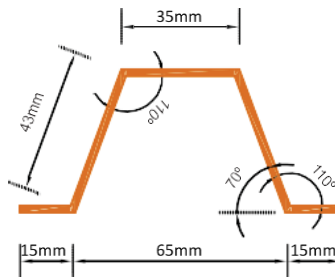
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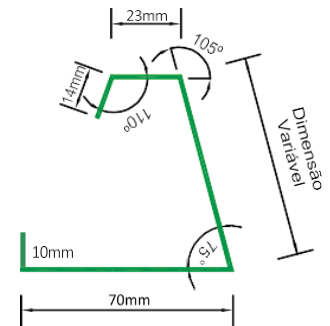
**Shooting AC004**

Application - TJ3/TJ5  
Maximum length = 6000mm  
Thickness = 0.5mm



**Shooting AC005**

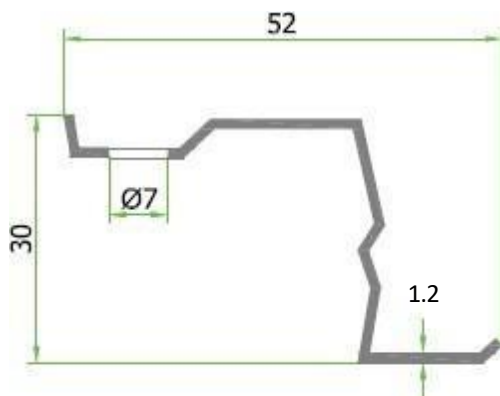
Application - PC3/PC5  
Maximum length = 6000mm  
Thickness = 0.5mm



**Shooting AC006**

Application - PC3 e PC5  
Maximum length = 6000mm  
Thickness = 0.8 mm

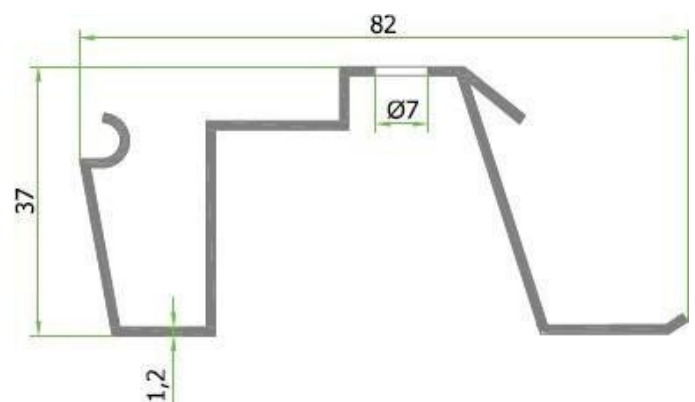
### Cover trim for connecting the Panel with Thermopanel



**Grapa RM1**

Application - TJ3/TJ5

Thickness = 1.2 mm



**Grapa RM2**

Application - TJ3/TJ5

Thickness = 1.2 mm