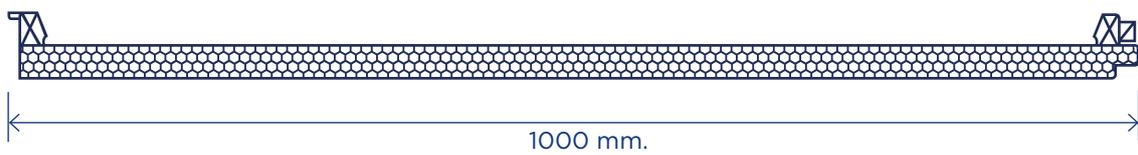
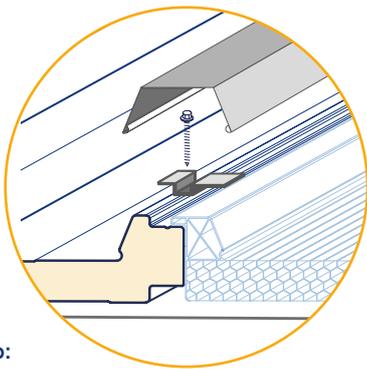


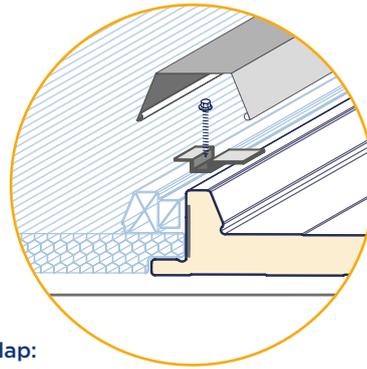
Polycarbonate skylight roofing



Detail of left overlap:



Detail of right overlap:



This is a perfectly waterproof solution, 100% effective, providing total watertightness. Its composition makes it a product that has high mechanical strength and durability. Danpalon polycarbonate provides good thermal insulation and requires no special maintenance.

Thanks to its geometry, installation is quick and easy, since the overlap of the metal panel on the polycarbonate panel is easy to carry out, being similar to the process used for overlapping normal metal panels. These sheets are designed to be sandwiched between metal sandwich panels, creating bands of light at the right intervals, in order to achieve the percentage of light required.

When used with panels of greater thickness, the straps or supports that correspond to the skylight panels must be wedged or supplemented, so that the upper layer of the sandwich panel and that of the polycarbonate sheet are at the same level: the cover cap must stay horizontal.

The sheets are supplied in 30 mm thickness and in opal finish (check with us for other options).

Functions and benefits of **POLYCARBONATE** panels

- Lightness, low weight
- Resistance to breakage and ageing
- Protection against ultraviolet radiation
- Transparency, allows passage of natural light

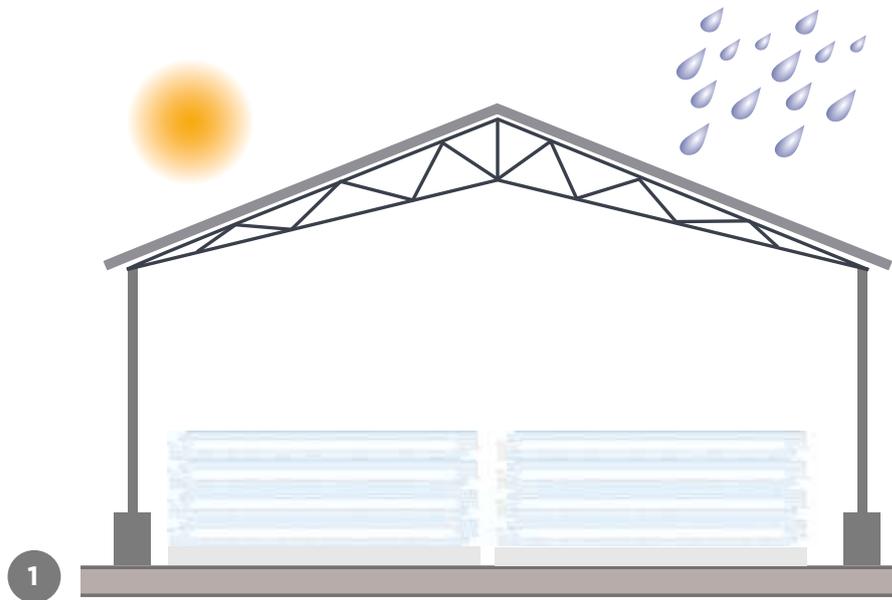


Length	Max. transportable
Width	1.000 mm.
Weight	4,15 Kg/m ²
Thickness	30 mm.
Structure	Honeycomb
Min. cold bending radius	5,500 mm.
Standard colours	Light Opal
Light transmission	39 %
Solar factor	0,46
U.V. protection.	Si
Linear expansion	0,065 mm / °Cm
Thermal insulation	1,60 W / m ² °C
Sound insulation	24 dB
Fire reaction classification	B s1 d0
Limited Warranty	10 years

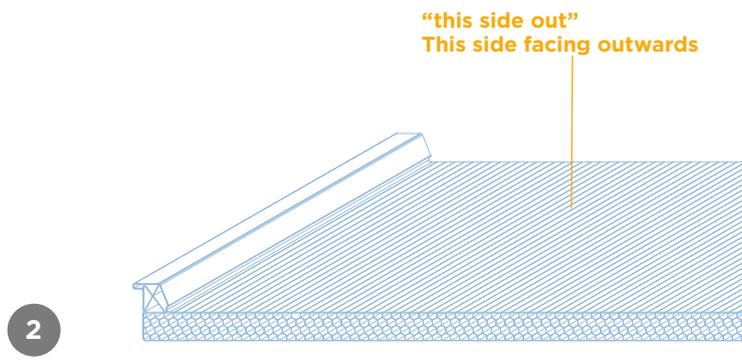


Standards for the use and fitting of polycarbonate

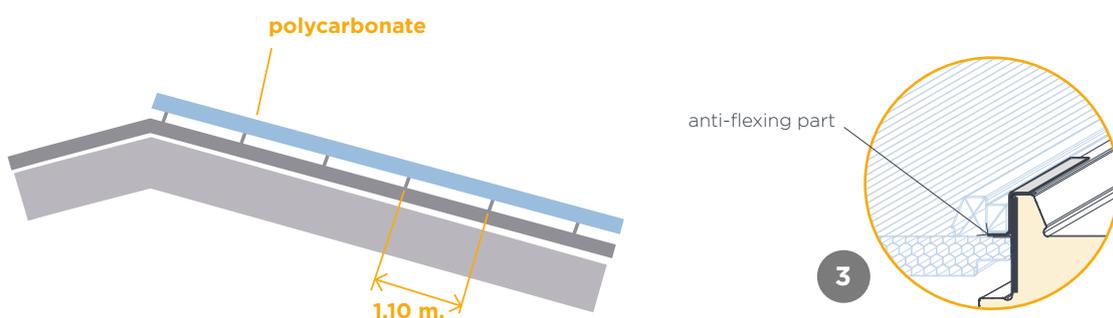
- **Store** the sheets in the shade on a nonabrasive, dry, flat, continuous surface. DO NOT STORE the sheets outdoors, exposed to sun or rain, so that you avoid possible deformation and deterioration of the sheets and sticking of the printed film (fig. 1).
- **Take care** that the sheets do not come into contact with chemicals that may attack polycarbonate. AVOID the sheets coming into contact with plasticised PVC roofing, solvent-based cleaning agents, sprays or any substance that can attack polycarbonate.



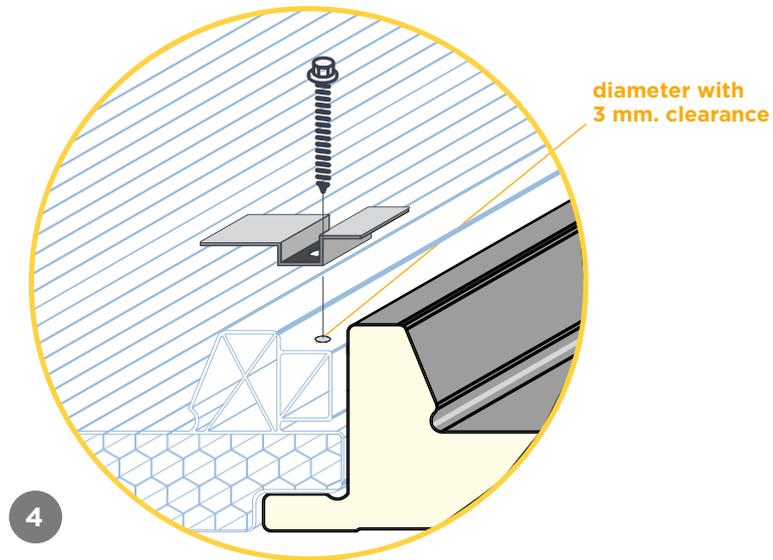
- **Fit** the sheets with the side marked «this side out» or «U.V. protection side » facing outwards (fig. 2).



- **We recommended** that polycarbonate sheets be fitted with a maximum span lengths of 1,100 mm for roofing enclosures; for spans greater than this it is advisable to use anti-flexing parts. (fig.3). Check with our technical department for the minimum cold bending radii of this material.



- **Drill** the sheets with holes at least 3 mm larger than the screw body. USE 25mm diameter washers for industrial profiles and 19mm diameter for corrugated profiles. DO NOT SCREW DOWN with excessive pressure, to allow movement of the sheet when expanding. DO NOT install sheets with induced stresses that can render them brittle or cause microcracks (fig. 4).



- **Only use** the approved soft washers of EPDM, neoprene or XLPE, compatible with polycarbonate. NEVER USE P.V.C. washers.
- **Only use** approved insulation materials such as neutral silicones. DO NOT USE incompatible unapproved insulation materials such as polyurethane, polyurethane foam, incompatible silicones etc.
- **Remove** the printed film immediately after installation. DO NOT leave the printed film on the sheet after installation. Sunshine will make it adhere to the sheet (fig. 5)



- **Paint the sheets** (only if unavoidable) exclusively with paints and coating systems approved by the manufacturer. Always consult us first.
- **Clean** the sheets with water and soap (or detergent) and a soft sponge. NEVER clean sheets with solvents or using brushes that might scratch them.