Product description

Macrolux® Multiwall is a polycarbonate sheet with alveolar structure that provides the product with insulation and resistance. It is protected from ultraviolet rays by co-extrusion of a layer of UV absorbers on the external side

Sector

Industrial / Commercial
Greenhouses
Advertising / DIY

Advantage

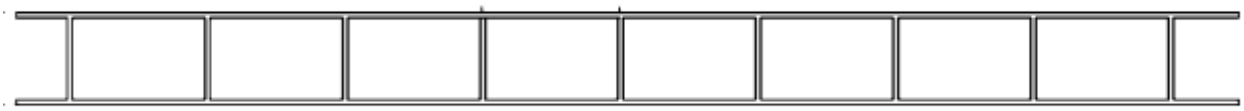
Easy and quick installation
High thermal insulation
Good light transmission
Optimal impact resistance
Energy saving

Application

Translucent continuous curved roof (self-supporting)
Translucent flat roof/Translucent roof in greenhouses
Advertising panel / Signaling

Profile:

PROFILE: C-000 (2W) – 6 mm



Technical characteristics

Properties	Value
Thickness	6 mm
Structure	2 walls
Width alveolus	6 mm
Width	2.100 mm
Length	6.000 mm (consultar otra medida)
Light transmission	Clear: 76 % Ice: 60 %
Thermal expansion coefficient	6,5 x 10^{-5} K^{-1} (0,065 mm/m°C)
Thermal transmittance (U)	3,5 W/m^2 K
Service temperature	-40°C a +120°C
Acoustic insulation	15 dB
Fire certification	B s1 do
UV protection	External side
Minimum cold bending radius	900 mm

Certificates

- Reaction to fire certificate according EN 13501-1. Classification obtained: Bs1do
- 10 years limited warranty

Recommended installation

Fixation system

The fastening system must allow the free expansion of the sheet, therefore rigid fasteners or through bolts are not recommended. Always provide sufficient clearance between the drill and the screw

Structure. Whenever possible, nerves should be provided in the direction of the maximum slope of the sheet, thus ensuring the minimum accumulation of dust.

The sheets require a longitudinal and / or transverse support structure that can be of any nature or geometry. In modulation, the maximum dimensions of the sheet must be respected according to its thickness and loads to be supported and compatible with a suitable cutting.

Implementation and manipulation

The sheets are protected by a film on both sides indicating the face protected from solar radiation.

When it is necessary to seal the joints, the compatibility of the polycarbonate with the sealant should be ensured (neutral silicone is recommended).

It is essential to cover the cells to prevent the entry of dust inside the sheet. It is recommended to place aluminum tape at the ends: smooth, at the top and porous, which allows the condensation water to escape at the bottom.

If you need to drill the sheet you must use fastening buttons.

Security

Do not step on the sheet. The **sheets are not passable**