



TECHNICAL DATA SHEET

Polylit

Translucent sheet

Code: TDS-P-General

Inspected: 00

Valid from: 23/10/17

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Product Description

Polylit® sheets are made of fiberglass reinforcement impregnated with polyester resin in a continuous process. They are protected with a gel coat layer on both sides stabilizing the light, which gives it excellent protection on the outside applications.

Application

- Metal or panel roofing
- Vertical building components
- Lighting strips
- Decorative or insulating false ceilings

Advantages

- Easy to install
- Not subject to extreme dilatation
- High chemical resistance
- High mechanical strength & Impact strength

Range

Thickness */**	Finish	Colour *	Sizes *
0,8 – 1,0 – 1,3 – 1,7 mm	Smooth	Transparent Opal White	Width: according profile Maximum Length: 13,500 mm

* Other thickness, colours and sizes are available with minimum order requirements. Ask Stabilit Europa for them.

** Indicative thread for each thickness.

Technical Properties

Properties	Standard	Unit
Thickness	EN 1013	1.0 mm
Light Transmission	ISO 13468-1	Transparent: 85% Opal White: 52%
Linear Thermal Expansion	EN 1013	3×10^{-5} K ⁻¹ (0,03 mm/m°C)
Water Vapour Permeability	EN 1013	$1,5 \times 10^{-5}$ mg/m h Pa
Flexural Strength	EN 14125	120 MPa
Tensile Strength	EN ISO 527-4	70 MPa
Barcol Hardness	EN 59	40 - 45
Reaction to fire	EN 13501-1	E

Specifications and Certifications:

- Stabilit Europe distinguishes itself by having the certification of the Quality Management System according to ISO 9001 in all its processes.
- Translucent profiled sheets Polylit® meet the EN 1013 product standard (CE Marking).
- Certificate Reaction to fire according to EN 13501-1. Classification obtained: E
- Certificate Large body Impact Resistance (1200 Joules) according to XP P 38-505. Pass, with thicknesses ≥ 1.6 mm according profile. Request profiles that pass the test.



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Installation Recommendations



Separation between purlins

The maximum separation between purlins should be determined for each profile, depending on the load to be borne and on the maximum deformation allowable for the application in question (Stabilit Europa recommends a maximum distance between purlins of 1.5 m).



Extra-long sheets

For sheets exceeding 6 min length, with fastenings in the recesses and self threading screws, take extra care to ensure that the sheet can dilate freely (the diameter of the screw hole should be around 2 mm bigger than the shaft of the screw).



Length of the sheeting protection

Projections should not exceed 200 mm and in this case the fastenings to the lower purlin should be reinforced.



Overlaps

Longitudinal overlaps must be against the direction of the wind and rain.



Safety

Do not walk directly on the sheets. **Sheets are NOT walkable.**

The information listed in this technical sheet is based on experience and testing by the company, without this implying any responsibility regarding different applications, since Stabilit Europa no has any control over end use.

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