TECHNICAL DATA SHEET

Relon 1.3 mm

Translucent sheet

Code: TDS-PS-W3
Inspected: 00
Valid from: 04/06/18

Product Description

Relon® sheets are made of polyester resin reinforced with fiberglass in the form of woven roving, in order to obtain the maximum performance in the mechanical properties.
Relon® sheets are protected with a gel coat layer on the upper side that stabilizes the light and provides excellent protection in outdoor applications.

Application

- Metal or panel roofing
- Vertical building components
- Lighting strips

Advantages

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

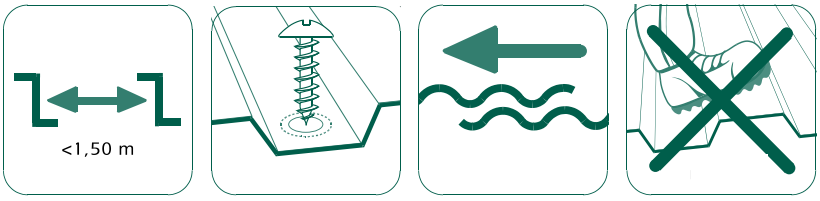
Technical Properties

Properties	Standard	Unit
Thickness	EN 1013	1.3 mm
Light Transmission	ISO 13468-1	Transparent: 70 %
Linear Thermal Expansion	EN 1013	3 x 10-5 K-1 (0,03 mm/m°C)
Water Vapour Permeability	EN 1013	1,5 x 10-5 mg/m h Pa
Flexural Strength	EN 14125	240 MPa
Tensile Strength	EN ISO 527-4	140 MPa
Barcol Hardness	EN 59	40 - 45
Reaction to fire	EN 13501-1	E
Large body Impact Resistance (1200 Joules)	XP P 38-505	Pass (with thickness ≥ 1.2 mm according profile. Request profiles that pass the test)

Specifications and Certifications:

- Translucent profiled sheets Relon® meet the EN 1013 product standard.
- 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 thickness ≥ 1.2 mm according profile. Request profiles that pass the test.

Installation Recommendations



Maximum separation between purlins | Diameter screw hole + 2 mm | Overlaps against direction of the wind | Sheets are NOT walkable

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