



TECHNICAL DATA

Opalit 1.6 mm

Opaque sheet

Code: TDS-O-07

Inspection: 00

Valid from: 01/09/17

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Product description

Opalit® sheets are made of polyester resin reinforced with fiberglass, they are protected with a gel coat layer on the both sides ensures excellent resistance in corrosive environments.

Opalit® can be adapted to suit any structure and reduces heat build-up in indoor areas.

Application

- Agricultural and pig farms.
- Service stations.
- Shed and warehouses.
- Any construction where an opaque, lightweight structure resistant to corrosive environments is required.

Advantage

- High resistance to corrosive environments
- Resistance to the weather, even in extreme temperatures.
- Lower heat concentration.
- Light structure. Easy and quick installation, economical and with minimal maintenance.

Technical characteristics

Properties	Rule	Value
Thickness	EN 1013	1.6 mm
Thermal expansion coefficient	EN 1013	$3 \times 10^{-5} \text{ K}^{-1}$ (0,03 mm/m°C)
Water vapor permeability	EN 1013	$1,5 \times 10^{-5} \text{ mg/m h Pa}$
Thermal stability	-	-40°C a 130 °C
Flexural strength	EN 14125	140 MPa
Tensile strength	EN ISO 527-4	55 MPa
Durezza Barcol hardness	EN 59	40 - 45
Fire certification	EN 13501-1	E

Certificates: Certificate Reaction to fire according to EN 13501-1. Classification obtained: E

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 referred to in this Technical Data Sheet is based on the experience and the tests carried out by the company, without this implying any kind of responsibility for its different applications, given that Stabilit Europa does not have any kind of control over its final use

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