



## TECHNICAL DATA SHEET

### Opalit 2.0 mm

Opaque sheet

Code: TDS-O-08

Inspected: 00

Valid from: 12/03/18

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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
- Sheds and warehouses
- Marine Projects
- Any structure requiring a cladding that is highly resistant to corrosive environments

### Advantages

- Excellent resistance to corrosive environments
- Less heat build-up inside
- Light structure that is quick, easy and cheap to install
- Minimal maintenance

### Technical Properties

Properties	Standard	Unit
Thickness	EN 1013	2.0 mm
Linear Thermal Expansion	EN 1013	$3 \times 10^{-5} \text{ K}^{-1}$ (0,03 mm/m°C)
Water Vapour Permeability	EN 1013	$1,5 \times 10^{-5} \text{ mg/m h Pa}$
Thermal Stability	-	-40°C a 130 °C
Flexural Strength	EN 14125	185 MPa
Tensile Strength	EN ISO 527-4	65 MPa
Barcol Hardness	EN 59	40 - 45
Reaction to fire	EN 13501-1	E

### Specifications and Certifications:

- 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 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.

