

POLITES 140

Fiberglass mesh

Fiber glass mesh to use as reinforcement for plaster applied inside and outside, to prevent cracks over inconsistent supports or caused by the settlement of the substrate below, and to improve the adhesion of plasters over several kind of materials.

BENEFITS

- Easy and quick to apply.
- High resistance to longitudinal and transversal traction.
- It prevents the formation of cracks.
- Alkali resistant.
- Multipurpose.

APPLICATION FIELDS

The mesh is used to strengthen painted or damaged plasters. It gives to the system an adequate capacity to withstand impact, to counteract the stresses due to thermal shock and curing, thus preventing the formation of cracks or fissures on the façade.

YIELD

1.00 m²/m² (10.76 ft²/ft²).

It is recommended to consider an overlapping of at least 3.00 cm (1.18 in).

COLOR

Orange.

PACKAGING

Roll

thickness 0.60 mm (0.24 in).

dimension 1 x 50 m (3.28 x 164.04 m).

area 50 m² (538.17 ft²).

weight 6 kg (13.23 lb).

STORAGE

Polites 140 must be stored in well ventilated areas, away from sunlight, water and ice, at temperatures between +1°C (+33.8°F) e +35°C (+95°F).

PREPARATION OF SUPPORT

To prepare the substrate, please follow the instructions on the technical data sheet of the product which *Polites 140* net is combined with.

APPLICATION

1. Apply a first coat of plaster (see technical data sheet of the plaster).
2. Apply *Polites 140* net over still wet material to maintain an overlapping of 3 cm (1.18 in) over joints. *Polites 140* net must not present bubbles. *Polites 140* net must be used when there are micro cracks or in particularly stressed areas.
3. Apply a second coat of plaster when the previous one is already hardened, taking care to completely soak the net, avoiding to leave holes on the surface. Wet the plaster before the application of the second coat. Over instable support it is advisable to fix the armor with suitable fisher or with nails.

Mesh width is combined with the granulometry of *Diathonite* plaster.

SUGGESTIONS

- Do not apply at environmental temperature or at support temperature lower than +1°C (+33.8°F) and higher than +35°C (+95°F).
- During summer season apply the product in the cooler hours of the day, away from sun.
- Do not apply with imminent threat of rainwater or ice. Follow the instructions on the technical data sheet of the product which *Polites 140* net is combined with.

SAFETY

For the handling, see product safety data sheet.



For application videos, product page, safety data sheet and other information.

POLITES 140

Fiberglass mesh

Technical data

Features		Units
Yield	1.00 m ² /m ² (10.76 ft ² /ft ²) 3 cm (1.18 in) of overlapping	m ² /m ²
	10.76 ft ² /ft ² 1.18 in of overlapping	ft ² /ft ²
Aspect	net	-
Color	orange	-
Composition	fiberglass	-
Stitch dimension (UNI 9311/2)	11 x 11	mm
	0.43 x 0.43	in
Fabric weight (UNI 9311/4)	120 ± 5%	g/m ²
	0.025 ± 5%	lb/ft ²
Average thickness fabric (UNI 9311/3)	0.6	mm
	0.024	in
Application temperature	+1 /+35	°C
	+33.8 /+95	°F
Drying time (T=+23°C; U.R. 50%)	not needed	-
Packaging	1 x 50 m roll	m
	3.28 x 164.04 roll	ft

Final performances		Unit	Regulation
Stretching on breaking point	3.5%	-	UNI 9311/5
Ultimate tensile stress by traction			
Warp	> 1.466 ± 5%	N / 5 cm	UNI 9311/5
Texture	>1.388 ± 5%	N / 5 cm	
Loss trough calcination	16%	-	UNI 8532
Construction			
Warp	18.5 ± 5%	yarns / 10 cm	UNI 9311/1
Texture	10 ± 5%	yarns / 10 cm	

The above data, even if carried out according to regulated test are indicative and they may change when specific building site conditions vary.

2/2



Ecological Building Systems

For information and full technical support for your project, please contact Ecological Building Systems or visit www.EcologicalBuildingSystems.com

