

POLITES 80

Fiberglass armour

Fiberglass mesh to be used as reinforcement for skim coatings and liquid waterproofing, it prevents and contrasts the formation of lesions and micro cracks, distributing the tensions caused by shrinkage phenomena. Reinforcement suitable in combination with the application of skim coatings on plasters for thermal and acoustic insulation of *Diathonite* line.

BENEFITS

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

YIELD

1,10 m²/m² (11.84 ft²/ft²).

It is recommended to consider an overlapping of at least 10-15 cm (3.94 – 5.90 in).

COLORE

Arancio.

PACKAGING

Roll:

- thickness 0,33 mm (0.12 in).
- dimensions 1 x 50 m (3.28 x 164.04 ft).
- area 50 m² (538.17 ft²).
- weight 4 kg (6.62 lb)

Pallet

- 30 rolls = 1500 m² (16145.87 ft²) and 120.00 kg (264.56 lb)

CAMPI D'IMPIEGO

Armour used to make reinforced skim coats. It gives to the system an adequate capacity to withstand shocks, as well as to contrast the tensions due to thermal changes and shrinkage phenomena, preventing the formation of cracks or fissures in the facade. *Polites 80* mesh is suitable in combination

with smoothing compounds on plasters for thermal and acoustic insulation of *Diathonite* line.

STORAGE

Store *Polites 80* in well-ventilated areas, adequately protected from the sun, water, frost and kept at temperatures between +5 °C (+41 °F) and +35 °C (+95 °F).

PREPARATION OF THE SUPPORT

As for the preparation methods of the substrate, it is necessary to follow the instructions given in the technical data sheet of the product with which the *Polites 80* mesh is used in combination with.

APPLICATION

1. Apply a first layer of the plaster of choice (refer to the technical data sheet of the chosen product).
2. Apply *Polites 80* mesh on the still fresh product in order to maintain an overlap of 10-15 cm (3.94 – 5.90 in) on the joints. *Polites 80* must not show curls or bubbles and must always be used in the presence of micro cracks or in particularly stressed areas.
3. Wet the plaster before applying the second layer. On particularly unstable substrates, it is advisable to fix the plaster holder mesh with dowels or nail.
4. Once the underlying layer has hardened, apply a second layer of plaster taking care to perfectly soak the mesh into the still fresh product. Ensure not to leave holes on the surface.

The mesh width of *Polites 80* perfectly combines with the grain size of the *Diathonite* plasters.

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SUGGESTIONS

- Do not apply at environmental temperature or at support temperature lower than +5 °C (+41 °F) and +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 rain or frost, in conditions of strong fog or with relative humidity higher than 70%.

Please, follow the directions on the technical data sheet of the product with which the *Polites 80* mesh is used in combination with.

SAFETY

During handling, use personal protective equipment and follow the instructions on the safety data sheet relating to the product.

* These data, even if carried out according to standard test methods, are indicative and may undergo changes as the specific site conditions vary.

Technical data *		
Main features		Unità di misura
Yield	1,10 10-15 cm of overlapping	m ² /m ²
	11.84 3.94 – 5.90 inches of overlapping	ft ² /ft ²
Aspect	mesh	-
Color	orange	-
Composition	fiberglass	-
Stitch dimension (UNI 9311/2)	4.0 x 4.2	mm
	1.65 x 1.57	in
Fabric weight (UNI 9311/4)	80 ± 5%	g/m ²
	0.015 ± 5%	lb/ft ²
Average thickness fabric (UNI 9311/3)	0.30 ± 5%	mm
	0.016 ± 5%	in
Application temperature	+5 /+35	°C
	+41 /+95	°F
Drying time (T=+23°C; U.R. 50%)	not needed	-
Packaging	1 x 50 m roll	m
	3.28 x 164.04 ft roll	ft

ARMOURS – fiberglass

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn't know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company's technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.

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Final performances		Units	Norm
Elongation at break	3,5 ± 5 %	-	UNI 9311/5
Tensile strength			
Warp	> 700 ± 5%	N / 5 cm	UNI 9311/5
Weft	> 700 ± 5%	N / 5 cm	
Loss through calcination	16 ± 5%	-	UNI 8532
Construction			
Warp	480	N ° of wires	UNI 9311/1
Weft	180	N ° of wires	



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Ecological Building Systems

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