MAXIMALLA® TRIDIMENSIONAL

Fiber-glass mesh for secondary reinforcement

DESCRIPTION

Maximalla® Tridimensional is a polymerized glass fiber mesh of great durability and resistance to alkalis present in the cement, designed to reinforce and increase tensile strength and impact resistance in concrete and cementitious mortars in thick layers (> 20 mm in thickness).

USES

- Reinforcement when movement exists.
- Surfaces subject to deflection and deformations.
- Surfaces with small cracks.

ON

- ConcreMix®.
- Repemax® Capa Gruesa.
- Maxilevel®.
- Other mortars and concretes in layers thicker than 20 mm.

FEATURES

- Excellent dimensional stability and ductility.
- Its open weave improves adhesion and reduces cracking in mortars due to movements of the structure.
- Reinforces cement-based layers to improve tensile and impact strength.
- Weather and alkali resistant.
- Durable under extreme humidity and temperature conditions.

PACKAGING

Maximalla Tridimensional	
Individual	1 m wide x 1 m long
Roll	1 m wide x 45,7 m long
Color	Gray

INSTALLATION

SURFACE PREPARATION

Surface must be clean, sound and free of loose particles, dust, oil, grease, wax, paint, efflorescence and any other contaminant. Previously fill voids and cracks. If the mortar will be rendered with a spraying mixer pump, leave a distance of at least 3,2 mm between the surface and the mesh.

APPLICATION

Apply a coat of the cementitious mortar following the manufacturer's instructions over an area in a thickness enough to embed the mesh. Centre the mesh and unroll, leaving a 10 cm overlap with the previous roll. Use the flat trowel to give pressure and make sure of embedding it well into the mortar. If the mortar will be rendered with a spraying mixer pump, first fill with plaster the space between the surface and the mesh. Once the material has hardened, apply the second coat until the mesh is completely covered and extend the mortar 5 cm beyond all edges of the mesh.

COVERAGE (m^2)

Maximalla Tridimensional	
Individual	0,9 m^2
Roll	41 m^2

This coverage contemplates 10 cm of overlap on the long side of the installation. Should overlap not be required, each meter of the mesh yields 1 m^2.

TECHNICAL DATA

Information	
Specific gravity	2,21
Elongation	4%
Elastic recovery	100%
Thickness ASTM D-1777	5,5 mm
Coefficient of linear thermal expansion	1,6 x 10^{-6} °C^{-1}
Warp x weft, ASTM D-3775	0,5 yarns/cm x 0,8 yarns/cm
Weight ASTM D-3776	300 g/m²
Minimum tensile strength ASTM D-5035	Warp: 748 N/cm
	Weft: 541 N/cm

RECOMMENDATIONS

At the moment of installing the mesh, make sure the material is still fresh and that no superficial film has formed on it that may prevent from embedding the mesh correctly. Depending on weather conditions, it might be necessary to do the job in small areas. On thinner covering applications, use utilice Maximalla Refuerzo. On floor/wall or wall/wall joints, use Maximalla Esquinas.

LIMITATIONS

Do not use this mesh over movement joints or on structural cracks repairs.

STORAGE

Store in dry conditions and protect from contaminants.

PRECAUTIONS

Wear adequate protection. May burn or irritate the eyes or skin.

First aid: In case of contact with eyes, remove particles without rubbing. In case of ingestion, drink one or two glasses of water. In case of skin irritation, respiratory problems or intoxication, take patient to the doctor and bring the label or safety data sheet.

WARRANTY

INTACO warrants that this product is free of defects and will perform in the way described in the technical sheet, only if the product is used strictly according to applicable specifications and instructions provided by INTACO for its use. INTACO will replace or, at INTACO's option, refund the purchase price of any product proven to be defective due to quality of ingredients or to the manufacturing process. INTACO does not take responsibility for indirect, consequential, incidental or special damages. Coverage and dosage data are susceptible to variations due to particular conditions in each job site; it is the user's responsibility to test and verify them at the site. This product data sheet may be changed without INTACO's notification.

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