

MonniMesh FG

Fibre Glass Reinforcing Mesh

Product Description

MONNIMESH FG is a wide range of fibre glass mesh that can be used as reinforcement for wide variety of applications to provide a high shear and traction strength to the coating.

MONNIMESH FG is produced in four grades (MONNIMESH FG 130, MONNIMESH FG 120, MONNIMESH FG 60 and MONNIMESH FG 250). Each grade has a unique property that when applied or used with other suitable MONNELI products, gives the finished product that fits the required purpose.

Uses

MONNIMESH FG is suitable for application in reinforcing waterproofing and cement coating on areas such as balconies, swimming pools, baths, shower cubicles, etc. with ceramic tile or stone finishes.

MONNIMESH FG strengthens and is responsible of increasing the mechanical strength and aids in reducing the multiplication of cracks in almost all types of supports and could be positioned both horizontally and vertically.

Advantages

- ▶ Easy to install
- ▶ High alkali-resistant
- ▶ Excellent shear adhesion and traction strength
- ▶ Compatible for any types of support

Instructions for Use

Surface Preparation

All surfaces where the MONNIMESH FG is to be applied must be smooth, clean, and free from dust, laitance or loose materials. When otherwise necessary, it is highly recommended to use compressed air or a wire brush in order to remove further dirt, oil stains and other inconsistencies.

Application

For Waterproofing

Use a smooth trowel, roller or brush to apply the first coat of waterproofing product on the surface. Immediately lay MONNIMESH FG along the surface while it is still fresh. Make sure to embed the mesh completely by gently pressing the product with the help of a trowel or roller. Apply the second layer of the waterproofing product after the first layer is totally dry (approximately 12 to 24 hours).

When joining the MONNIMESH FG mesh together, be sure to keep an overlap of at least 5 to 10 cm.

For plastering

For plaster application, apply one coat of plastering product on the walls with a thickness as recommended in the data sheets. While the plaster is still wet, apply MONNIMESH FG fibre mesh and imbed inside the plaster. Trowel the surface until the mesh is fully covered. When needed, apply the second layer of plaster to achieve the required thickness.

MONNIMESH FG is available in four different grades. Refer to the technical properties table provided below.

When MONNIMESH FG is to be used in conjunction with other MONNELI products, make sure to follow the recommended method of application for each product by referring always to the Technical Data Sheet.

Technical Data

Category	Typical Values
MONNIMESH FG 30	fibre glass mesh
Structure	woven
Mesh diameter	45 x 45
Roll Area	50 m ²
Roll Height	100 cm
Threads per 10cm	
warp	≥ 50
weft	≥ 20
weight (g/m ²)	150
Chemical Resistance	alkali-resistant
Applications	Reinforcement for cementitious mortar
MONNIMESH FG 120	Fibre Glass Mesh
Composition	Fibre Glass Mesh
Structure	woven
Mesh diameter	27 x 27
Roll Area	50m ²
Roll Height	100 cm
Threads per 10cm	
warp	≥ 70
weft	≥ 35
weight (g/m ²)	60
Chemical Resistance	alkali-resistant
Applications	Reinforcement for acrylic based waterproofing membrane
MONNIMESH FG 60	membrane
Composition	synthetic fibre fabric
Structure	non-woven
Mesh diameter	-
Roll Area	100m ²
Roll Height	100 cm
Threads per 10cm	-
warp	-
weft	-
weight (g/m ²)	60
Chemical Resistance	alkali-resistant
Applications	Reinforcement for Cementitious and Acrylic based waterproofing membrane

Category	Typical Values
MONNIMESH FG 250	
Composition	fibre glass fabric
Structure	non-woven
Mesh diameter	-
Roll Area	60m ²
Roll Height	120 cm
Threads per 10cm	-
warp	-
weft	-
weight (g/m ²)	225
Chemical Resistance	alkali-resistant
Applications	Reinforcement for elastomeric cementitious and acrylic based waterproofing membrane

All values are subject to 5-10 % tolerance

Storage

Keep the product in dry and in covered shed.

Health & Safety

There are no health hazards in connection with MONNIMESH FG in normal use.

Legal disclaimer

Monneli endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Monneli has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

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