

MARMOLINE FIBER GLASS MESH 110

Alkali-Resistant Fiber Glass Mesh 110gr/m²

DESCRIPTION

The alkali-resistant reinforcement fiberglass mesh Marmoline Fiber Glass Mesh 110 is used to reinforce the base layer of plasters/renders.

It has a weight of 110 gr/m², with a mesh size of 10 x 10 mm, resistant to alkalis, and due to its high flexibility, it exhibits excellent behavior against expansion and contraction. Its application protects the surface from cracks, leading to a flawless finish.

FIELDS OF APPLICATION

Marmoline Fiber Glass Mesh 110 is specifically designed to reinforce inorganic plasters /renders.

Additionally, it is used for reinforcing cement-based mortars and can be applied either across the entire surface or locally at junctions, such as

masonry connections (with floors or other walls), at points of contact between different materials, as well as for strengthening localized repairs.

CHARACTERISTICS/ ADVANTAGES

Marmoline Fiber Glass Mesh 110 is an alkali-resistant fiberglass mesh of excellent quality with the following key advantages:

- Excellent workability – highly flexible
- High resistance to stretching and tearing
- Treated to withstand exposure to cement and other alkaline materials
- Long-lasting durability
- Reinforcement of plasters /renders, especially for thicker applications

PRODUCT INFORMATION

Composition	Alkali-resistant fiberglass mesh for mortar & plaster/render reinforcement
Color	Blue
Packaging	• 50 m² per roll • 30 rolls per box
Storage conditions	It is recommended to store in a clean, dry place at temperatures between -5°C and 30°C, protected from frost, direct exposure to any heat source, or direct sunlight. Rolls should be stored upright during storage and transport.

TECHNICAL CHARACTERISTICS

Weight	110 g/m ² (± 5%)	
Length m	50	
Width m	1	
Mesh opening mm	9 X 9 ± 0.5	
Tensile strength in the as-delivered state (warp/weft), N/50mm	min 1200 / min 800	
Tensile strength after alkali conditioning (war/weft), N/50mm	min. 50% / min. 50%	(EAD 040016-01-0404, 2.2.8)
Elongation in the as-delivered state	max. 3.0 / max 3.0	
Elongation after alkalis conditioning (warp/weft), %	max. 2.0 / max. 2.2	
Reaction to fire	F	

APPLICATION INSTRUCTIONS

APPLICATION

Marmoline Fiber Glass Mesh 110 is used to reinforce plasters/renders and prevent cracking in the following cases:

- At junctions of different structural elements (masonry with columns/beams, lintels, etc.).
- In channels of electrical and plumbing installations to bridge the channel with the surrounding surface.
- Across the entire surface of thermal insulation boards installed on the building structure. The mesh should cover the entire insulation board and bridge it with the masonry.
- At points where there are large gaps in the masonry.
- At the corners of openings (doors /windows), where a strip of mesh is placed diagonally relative to the opening.

IMPORTANT NOTES

- Do not unroll the mesh from bottom to top.
- Proper observance of time intervals during application is crucial to achieving the desired result.

LEGAL NOTES

The information included in this Product Data Sheet is based on the experience and current knowledge of the company's Research & Development Department. All technical data declared in this Product Data Sheet are based on laboratory tests.

Actual measured data may vary due to conditions beyond our control. Recommendations and application instructions should be considered indicative, assuming the product has been handled and stored according to the company's instructions.

Since the application parameters and conditions cannot be controlled in practice, no warranty can be provided regarding the outcome of each application. Therefore, no legal liability can be established based on the information and recommendations contained in this Product Data Sheet.

The company reserves the right to modify the information in this Product Data Sheet without prior notice. Users should refer to the latest version, available on the company's website <https://marmoline.gr/> or upon request.