

Glass Fibre Mesh 5mm Datasheet

September 2025

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Glass Fibre Mesh consists of woven fibre glass mesh, impregnated and coated with specially designed acrylic co-polymers that are alkali resistant. This glass fibre and co-polymer based composite offers a versatile and cost effective alternative in a variety of reinforcement applications.

Technical Data

Composition	E-glass roving / yarn
Warp description	200 Tex Direct Roving x 2
Weft description	400 Tex Direct Roving
Wrap Ends / cm	2.0 ($\pm$ 0.2 Ends / cm)
Weft Picks / cm	1.9 ($\pm$ 0.2 Picks / cm)
Weave Pattern	Leno
Warp Tensile Strength	32kN/m (typical)
Weft Tensile Strength	30kN/m (typical)
Warp Elongation	<3.5%
Weft Elongation	<3.5%
Aperture Size	4mm x 4mm
Thickness	N/A
Thermal Capacity	N/A
Ave Mass	165 g.m ² ($\pm$ 7.5%)
Width	100cm ($\pm$ 1.0)
Coating	Alkaline Resistant Polymer

Purpose

Glass Fibre Mesh is designed to reinforce external and internal plaster walls, external insulation finishing system (EIFS), wall joints, channels for water piping and channels electrical wiring. **Glass Fibre Mesh** absorbs tension where two materials with different coefficients of expansion meet and forms a flexible, yet extremely tough and durable layer within the plaster, facilitating adherence to a variety of masonry materials.

Suitable Surfaces

Adheres to most surfaces to effectively seal cracks and chipped areas on buildings. It is hence well suited for the repair and strengthening of decorative plaster mouldings on old and historic buildings.

Physical Properties

Glass Fibre Mesh does not break down due to corrosion and is easy to use, pliable, cuts effortlessly and lies flat. It exceeds all the requirements on tensile strength and chemical resistance. It is resistant to acid, salt, water and alkali attack, therefore screed and plaster thicknesses can be considerably reduced in marine constructions.

Cemcrete provides a comprehensive technical service based on over 4 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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Application

Apply a thin coat of wet plaster to the surface. Embed **Glass Fibre Mesh** into the wet base coating. Apply a second coat of thicker plaster until surface is smooth and **Glass Fibre Mesh** is at least 2mm - 3mm under the plaster surface.

Glass Fibre Mesh strips should overlap by 10cm. Stainless steel or galvanized staples can be used to anchor the **Glass Fibre Mesh** into the first plaster layer.

Other application areas include: EIFS system (external insulated finishing system & EIFS Basecoat), mosaic tile backing, under floor heating, artificial rock building, marble slab reinforcement, thermal insulation reinforcement, light weight partitioning reinforcement, polymer concrete reinforcement, floor reinforcement, tile reinforcement, and soil retention.

Available size

Mesh size - sold per m².

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