

# Glass Fibre Mesh Datasheet

March 2014

Page 1 of 1

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

## 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.

- Warp Tensile Strength 32k/N/m
- Weft Tensile Strength 30k/N/m
- Warp Elongation <3.5%
- Weft Elongation <3.5%
- Aperture Size 4mm x 4mm
- Ave Mass 65g/m<sup>2</sup> (+/- 7.5%)
- Coating Alkaline resistant polymer

## 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 m<sup>2</sup>: 5mm and 10mm