



# Fiberglass Mesh

**For Mapelastic™,  
Mapelastic 315, Mapelastic  
HPG and Mapelastic Smart  
Waterproofing Products**



## DESCRIPTION

MAPEI's *Fiberglass Mesh* is a ready-to-use, thin, strong yet flexible alkali-resistant mesh for embedment with waterproofing and crack-isolation membranes, including MAPEI's *Mapelastic*, *Mapelastic 315*, *Mapelastic HPG* and *Mapelastic Smart* on residential and commercial floors, walls and ceilings.

*Fiberglass Mesh* reinforces and improves the performance of MAPEI's waterproofing membranes when applied over cracks, coves and corners and around drains on residential and commercial applications. *Fiberglass Mesh* can be cut to size with scissors or a razor knife, and has excellent compatibility with all MAPEI cement- or epoxy-based mortars.

## FEATURES AND BENEFITS

- Compatible with MAPEI's *Mapelastic*, *Mapelastic 315*, *Mapelastic HPG* and *Mapelastic Smart* waterproofing membranes and *Mapeband™* accessories
- Fully compatible with MAPEI mortars and grouts for complete system protection
- Durable, flexible and lays flat, making it easy to embed
- Fast to install: ready to use, and easy to cut with scissors or razor knife

## WHERE TO USE

See MAPEI's individual Technical Data Sheets (TDSs) for *Mapelastic*, *Mapelastic 315*, *Mapelastic HPG* and *Mapelastic Smart* for specific uses.

## LIMITATIONS

See MAPEI's individual TDSs for *Mapelastic*, *Mapelastic 315*, *Mapelastic HPG* and *Mapelastic Smart* for specific limitations.

## SUITABLE SUBSTRATES

See MAPEI's individual TDSs for *Mapelastic*, *Mapelastic 315*, *Mapelastic HPG* and *Mapelastic Smart* for specific substrates.

## SURFACE PREPARATION

- All suitable substrates must be smooth, structurally sound and free of any substance that could prevent adhesion.
- Do not use chemical means (acid etching or stripping) to prepare approved substrates. Use mechanical methods only.
- To remove any bond-inhibiting materials, concrete substrates should be mechanically cleaned and prepared by diamond-cup grinding or other engineer-approved methods to obtain the International Concrete Repair Institute (ICRI) concrete surface profile (CSP) of #2. When concrete requires more mechanical preparation, the profile will typically increase. In such cases, the surface can be made smooth by applying coats of a MAPEI polymer-modified tile-setting mortar.
- See TDSs of individual waterproofing products for other important surface preparation instructions. For other details, see MAPEI's "Surface Preparation Requirements" document for tile and stone installation systems at [www.mapei.com](http://www.mapei.com) or contact MAPEI Technical Services Department.

## PRODUCT APPLICATION

See MAPEI's individual TDSs for *Mapelastic*, *Mapelastic 315*, *Mapelastic HPG* and *Mapelastic Smart* for specific application instructions.



## Product Performance Properties at 73°F (23°C) and 50% relative humidity

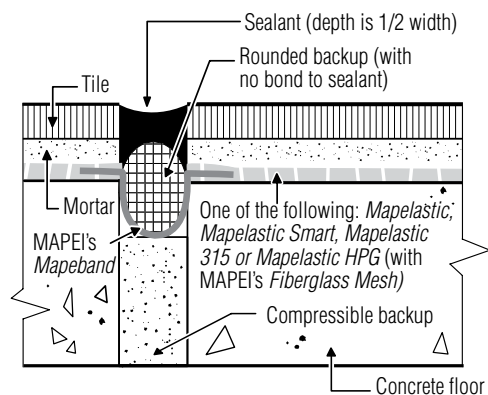
Laboratory Tests	Results
Color	White
Shelf life	2 years (when stored in original, unopened container)
Storage	Store in cool, dry place.
Application temperature range	See individual product Technical Data Sheets.
VOCs	0 g per L
Construction (warp) – ASTM D3775	6.4/in. (25/10 cm)
Construction (weft) – ASTM D3775	5/in. (20/10 cm)
Weight – ASTM D3776	2.1 U.S. oz. per sq. yd. (72 g per m <sup>2</sup> )
Thickness – ASTM D1777	0.012" (0,3 mm)
Weave	Leno
Nominal tensile (warp) – ASTM D5035	105 lbs. per in. (470 N per 2,54 cm)
Nominal tensile (weft) – ASTM D5035	105 lbs. per in. (470 N per 2,54 cm)

## Packaging

Product code	Size*	Coverage
8040003	Roll: 1 x 150 ft. (0,3 x 45,7 m) – 12 rolls per box	150 sq. ft. (13,9 m <sup>2</sup> )
03201000	Roll: 39.4" x 15 ft. (1 m x 4,57 m) – 20 rolls per box	49.2 sq. ft. (4,57 m <sup>2</sup> )
03101000	Roll: 39.4" x 75 ft. (1 m x 22,9 m) – 8 rolls per box	246 sq. ft. (22,9 m <sup>2</sup> )
8040002	Roll: 39.4" x 328 ft. (1 m x 100 m) – 4 rolls per box	1,075.8 sq. ft. (100 m <sup>2</sup> )

\* Rolls can be purchased by the full box or individually. Each roll is contained in a plastic bag.

## EXPANSION AND CONTROL JOINTS



1. Do not cover any substrate expansion joint or control joints with mortar or tiles. Provide for expansion and control joints where specified per Detail EJ-171 of the most current TCA handbook for ceramic tile installation, or Detail 301MJ of the TTMAC Tile Installation Manual.
2. If waterproofing integrity is required in expansion and control joints, provide per the above drawing. *Mapeband* cove roll can be bonded to both sides of the joint and filled with an appropriate joint sealant or an expansion molding system.
3. Protect tilework with metal strips (edge metal) along both edges of structural building expansion joints.
4. When necessary, cut tiles along both edges of the expansion joints. Do not allow tile and mortar to overlap the joints.
5. Install the specified compressible bead and sealant into all expansion and control joints.

Consult MAPEI's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

## RELATED DOCUMENTS

Reference Guide: Surface Preparation Requirements for tile and stone installation systems

RGTO309\*\*

\*\* At [www.mapei.com](http://www.mapei.com)

Refer to MAPEI's Material Safety Data Sheet (MSDS) for specific data related to VOCs, health and safety, and handling of product.

## STATEMENT OF RESPONSIBILITY

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith.

**ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

We proudly support the following industry organizations:



### MAPEI Headquarters of the Americas

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(1-888-876-2734)

### Technical Services

1-800-992-6273 (U.S. and Puerto Rico)  
1-800-361-9309 (Canada)

### Customer Service

1-800-42-MAPEI (1-800-426-2734)

For the most current **BEST-BACKED™** product data and warranty information, visit [www.mapei.com](http://www.mapei.com).

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