



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 and flexible; 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.

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

SURFACE PREPARATION

- All suitable substrates must be smooth, structurally sound, stable, dry, clean and free of any substance or condition that may reduce or prevent proper 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 in the Reference & Installation Guides section of the Tile & Stone Installation Systems page on MAPEI's website 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.

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 TCNA handbook for ceramic tile installation, or Detail 301MJ of the TTMAC Tile Installation Manual.



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

Laboratory Tests	Results
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 ²)
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)

Shelf Life and Product Characteristics

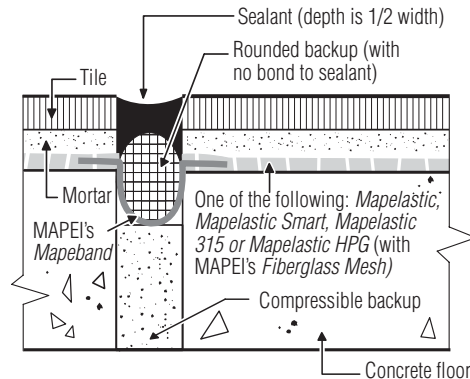
Shelf life	5 years when stored in original, unopened container at 73°F (23°C) and 50% relative humidity
Color	White
Storage	Store in cool, dry place.
Application temperature range	See individual product TDSs.

Packaging and Coverage

Size*	Coverage
Roll: 1 x 150 ft. (0,3 x 45,7 m) – 12 rolls per box	150 sq. ft. (13,9 m ²)
Roll: 39.4" x 75 ft. (1 m x 22,9 m) – 8 rolls per box	246 sq. ft. (22,9 m ²)
Roll: 39.4" x 328 ft. (1 m x 100 m) – 4 rolls per box	1,075.8 sq. ft. (100 m ²)

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

- 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.
- Protect tilework with metal strips (edge metal) along both edges of structural building expansion joints.
- When necessary, cut tiles along both edges of the expansion joints. Do not allow tile and mortar to overlap the joints.
- Install the specified compressible bead and sealant into all expansion and control joints.



RELATED DOCUMENTS

Reference Guide: Surface Preparation Requirements for tile and stone installation systems	RG0309**
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** At www.mapei.com

Refer to the SDS for specific data related to health and safety as well as product handling.

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at

www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **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:



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