



Reinforcing Fabric

**For Use With Mapelastic®
AquaDefense**

DESCRIPTION

MAPEI's *Reinforcing Fabric* is a strong, absorbent, flexible, alkali-resistant, polyester reinforcing fabric for optional use with MAPEI's *Mapelastic AquaDefense* when installed under ceramic tile or stone on residential and commercial interior applications. *Reinforcing Fabric* is also for use as a component in MAPEI's *ShowerPerfect™* shower installation systems.

Reinforcing Fabric is ideal for use over substrate areas such as cracks, coves, corners and areas around drains when used with *Mapelastic AquaDefense*. *Reinforcing Fabric* provides a durable, reliable barrier to water migration into adjacent areas. It can easily be cut to size with scissors or a razor knife, and has excellent compatibility with all MAPEI cement- or epoxy-based grouts and mortars.

FEATURES AND BENEFITS

- Compatible with *Mapelastic AquaDefense* waterproofing and *Mapeband™* accessories – to address a wide variety of installations
- Reduces total installation time by quickly absorbing *Mapelastic AquaDefense*
- Durable and flexible; lays flat, making it easy to install
- Fast to install: easy to cut with scissors or razor knife

WHERE TO USE

Reinforcing Fabric is optional for use when installing *Mapelastic AquaDefense*. See the Technical Data Sheet (TDS) for *Mapelastic AquaDefense* for specific uses.

LIMITATIONS

For specific limitations, see the TDS for *Mapelastic AquaDefense*.

SUITABLE SUBSTRATES

For suitable substrates, see the TDS for *Mapelastic AquaDefense*.

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 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 MAPEI's *Planipatch®*.
- For other important surface preparation instructions, see individual TDSs for waterproofing products. 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's Technical Services Department.

PRODUCT APPLICATION

For specific application instructions, see the TDS for *Mapelastic AquaDefense*.



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

Laboratory Tests	Results
VOCs	0 g per L
Fabric weight – ASTM D3776	2.06 U.S. oz. per sq. yd. (70 g per m ²)
Grab tensile strength (MD/TD) – ASTM D5034	57.3/52.8 lbf (255/235 N)
Grab tensile % elongation (MD/TD) – ASTM D5034	50/55%
Trapezoidal tear TD – ASTM D1117	24.7 lbf (110 N)
Thickness – ASTM D1117	13.6 mils (0,35 mm)
Air permeability – ASTM D737	670 CFM (18,9 cu. meter/minute)
Mullen burst – ASTM D3786	82.5 psi (402.8 kg-force/m ²)

Shelf Life and Product Characteristics

Color	White
Shelf life	5 years when stored in original, unopened container
Storage	Store in cool, dry place.
Application temperature range	See TDSs for individual products.

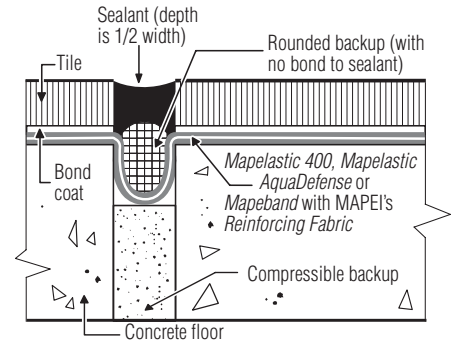
Packaging and Coverage

Size*	Coverage
Cove roll: 6" x 75 ft. (15 cm x 22,9 cm) – 8 rolls per box	37.5 sq. ft. (3,48 m ²)
Roll: 38" x 75 ft. (0,97 m x 22,9 m)	237.5 sq. ft. (22,1 m ²)

* Rolls can be purchased by the full box only.

EXPANSION AND CONTROL JOINTS

- 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.
- If waterproofing integrity is required in expansion and control joints, provide per the below drawing. *Reinforcing Fabric* or *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 or 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	RGTO309**
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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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For the most current BEST-BACKED™ product data and warranty information, visit www.mapei.com.

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