

MAPEI's Uncoupling Membrane Solutions





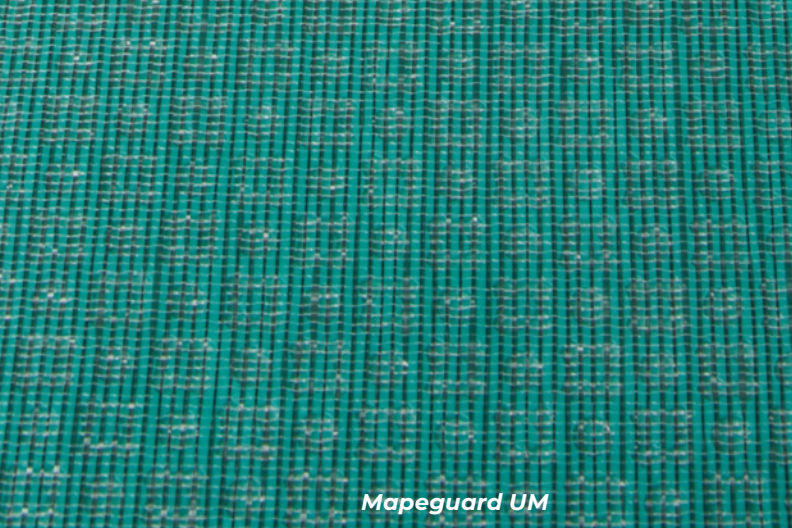
Uncoupling membranes ensure that the beauty of tile or stone installation lasts a lifetime. For centuries, tile installers used a bed of sand under tile to prevent any movement in the ground from transferring through to the tile. *Mapeguard*[®] *UM* and *Mapeheat*[™] *Membrane* are the modern equivalents, preventing any movement in a structure from transferring up through the tile, thus minimizing cracking or debonding of the tile.



Best-BackedSM Warranty



When *Mapeguard UM* or *Mapeheat Membrane* is incorporated in a system with mortar and grout, either a 10-year, 25-year or lifetime warranty will apply, depending on the selection of the products used. The term of the warranty is based on product classifications according to industry standards and approvals.



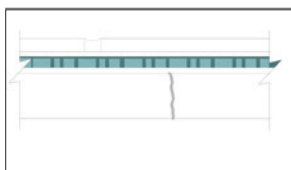
Mapeguard UM

Polypropylene with textured foil and fleece backing 1/8" (3 mm) thickness

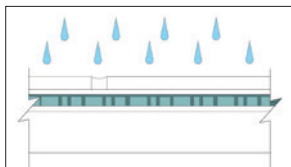


Mapeheat Membrane

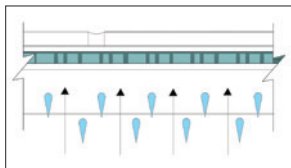
Polypropylene with fleece backing 7/32" (5.5 mm) thickness



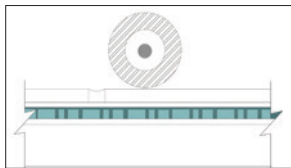
• **Uncoupling, preventing transmission of in-plane substrate cracks in tile up to 1/8" (3 mm)**



• **Waterproofing***



• **Moisture control***



• **Heavy load support – ASTM C627 (Robinson) Extra Heavy Rated**

* When used with appropriate seam tape

Product Code / Size / Coverage

2850930 / Roll, 98.4' (30 m) / 323 sq. ft. (30 m²)
 2850905 / Roll, 16.4' (5 m) / 53.8 sq. ft. (5 m²)

Product Code / Size / Coverage

2855915 / Roll, 49'3" (15 m) / 161 sq. ft. (15.0 m²)
 2855905 / Roll, 16'4" (5 m) / 54 sq. ft. (5.02 m²)
 2855925 / Sheets, 2'9" (0.84 m), 25 sheets per box / 9 sq. ft. (0.84 m²) per sheet (sold by case only)

Patents Issued*

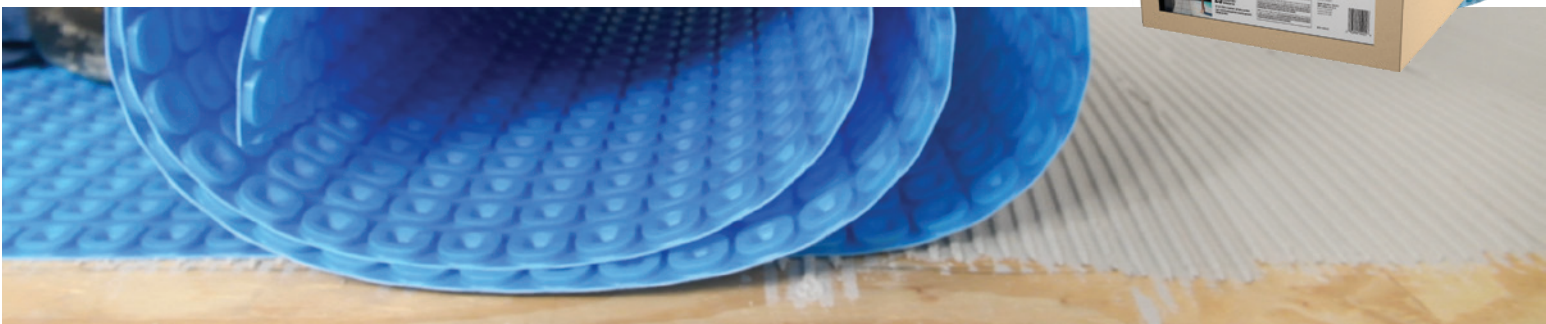
US 8,176,694 B2; US 9,188,348 B2; US 9,416,979 B2; US 9,518,746 B2; US 9,625,163 B2; US 9,719,265 B2; US 9,977,931 B2; US 10,006,644 B2; US 10,107,505 B2; US 10,215,423 B2

* Additional patents are pending.

Features and benefits	Mapeguard UM	Mapeheat Membrane
Can be used to install gauged porcelain tile (GPT)	•	•
Can be used with modified mortar	•	•
Lightweight and easy to cut with a utility knife	•	•
Does not support mold growth	•	•
Ideal for remodeling projects when tiling over tile	•	•
Self-leveling underlayment can be used over the membranes, allowing for the use of mosaic tiles 2" x 2" (5 x 5 cm) or smaller	•	•
If sound control is desired, <i>Mapesonic™ RM</i> rubber underlayment can be used under the membrane	•	•
Reduces weight of transporting material to jobsite (versus cement backer board)	•	•
Makes work easier (and safer) by reducing lifting and carrying requirements (versus cement backer board)	•	•
Reduces weight of flooring installation (versus cement backer board)	•	•
For use on any above-grade floor over wood subfloor installations on 24" (61 cm) on-center joists instead of CBU material or added plywood		•
Can be installed next to most hardwood and tile installations to create a flush install		•
Can be used with <i>Mapeheat Cable</i> for providing radiant-floor heating for tile, engineered wood and vinyl installations		•



MAPEI stands out as the industry leader in offering a wide variety of mortars to choose from for going over or under the membranes, offering a wide variety of options depending on the type of tile/stone being used as the finished floor.





High-Transfer Technology™ mortar

Keraflex™ Super, Keraflex Plus, Keraflex RS and Keraflex SG

- Ideal for use over the membrane
- Extra smooth and easy to trowel into membrane grooves
- Non-sag/nonslump
- For large and heavy tiles



Lightweight mortars

MAPEI Ultralite™ S2, MAPEI Ultralite S1 Quick, MAPEI Ultralite Mortar and MAPEI Ultralite Mortar Pro

- 25-lb. (11.3-kg) bag spread rate is comparable to 50-lb. (22.7-kg) bags of regular mortar
- Weight is half of a traditional Portland-cement-based mortar
- Reduction or nonexistent silica exposure
- Contain more recycled content than traditional Portland-cement-based mortars



Large-and-heavy-tile mortars (thixo mortars)

Ultraflex LHT®, Ultraflex LFT, Ultraflex LFT Rapid and Ultraflex LHT SG*

- Ideal for today's tile and stone installations
- Ideal for use over the membrane
- Non-sag/nonslump

* Ultraflex LHT SG is not available in Canada.



Thin-set mortars

Ultraflex™ 1 and Ultraflex 2

- Ideal for use under the membrane
- Provide good contact between the membrane and substrate
- Wets out
- Not rated for large and heavy tile



— MAPEI USA • MAPEI Canada —

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1-800-361-9309 (Canada)

Customer Service

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

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