

Mapeguard[®] UM

**Underlayment membrane for
ceramic and stone tile**



www.mapei.com

MAPEI[®]

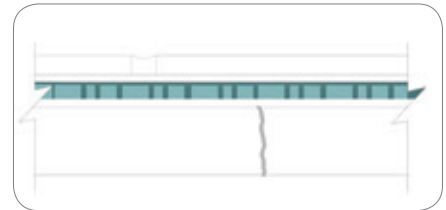
ADHESIVES • SEALANTS • CHEMICAL PRODUCTS FOR BUILDING

Mapeguard UM

Mapeguard UM is a uniquely engineered, tri-layered underlayment membrane that combines crack suppression, waterproofing, vapor equalization and compression resistance.

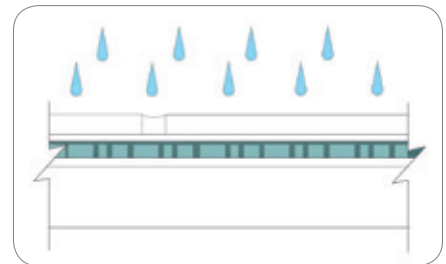
► Crack suppression

This membrane isolates existing and future in-plane substrate cracks to keep them from transferring through tile. It can suppress cracks up to 1/8" (3 mm) for remodeling and updating projects with older substrates as well as for working over new concrete where cracks have not yet appeared. *Mapeguard UM* offers uncoupling action with its polypropylene layers, allowing the substrate and the tile to move independently, in plane, and reducing the stress of differential movement.



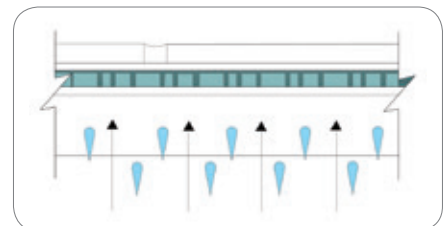
► Waterproofing

Three layers of polypropylene material offer superior protection from penetration due to spills, cleaning maintenance and unplanned leaks. Plus, *Mapeguard UM* protects plywood, OSB and wood framing from moisture-related problems. Use sealing tape on seams to ensure complete waterproofing.



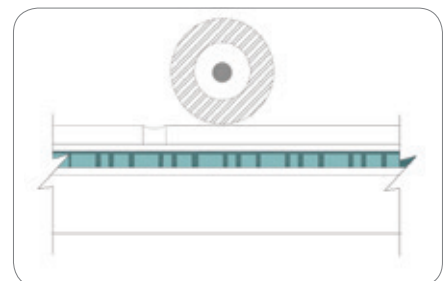
► Water vapor and pressure equalization

The indentations on the substrate side of the *Mapeguard UM* membrane provide space for moisture dissipation and vapor pressure equalization. This is ideal for difficult subfloors such as fresh cement or young concrete, which is prone to moisture migration.



► Resistance to compression

ASTM testing verifies *Mapeguard UM*'s service rating of Extra Heavy. *Mapeguard UM* fully supports rolling loads when movement joints are included in the design, when commercially rated tile 2" x 2" x 1/4" (5 cm x 5 cm x 6 mm) or larger is installed, and when L/360 subfloor deflection criteria are met. The substrate-side indentations are exposed profile channels that enhance the mechanical bonding of mortar to the substrate.

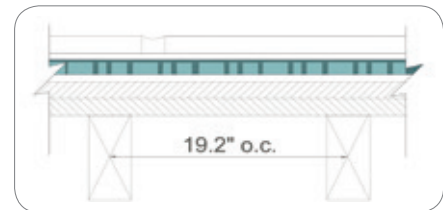


FEATURES AND BENEFITS

- Prevents transmission of in-plane substrate cracks up to 1/8" (3 mm)
- Recommended for use with polymer-modified mortars
- Fast Track Ready™: Approved for use over young (green) concrete and mortar beds
- Time-saving: Embed membrane then install tile immediately
- Engineered cavity design allows easy single-pass filling of surface core with less mortar
- Uncoupling, waterproofing and water vapor membrane up to 25 lbs. (11,3 kg) MVER and 100% relative humidity
- Compression resistance to support rolling loads
- Approved for radiant-heating applications
- Light green, translucent color shows mortar coverage under membrane
- Reduced "roll memory" and unique tri-layer construction keep membrane flat.
- Lightweight for easy handling and fast installation
- Easy to cut with standard utility knife
- Chalk and laser lines easily visible on surface
- Mesh-fabric top layer makes it easy to fill cavities with mortar
- ASTM C627 (Robinson): Extra Heavy Rating
- ANSI: Exceeds A118.10 (Waterproofing Membrane for Thin-Set Ceramic Tile)
- Meets ANSI A118.12 bond strength and point load resistance requirements

► Single-layer plywood application

The strength and integrity of the bonded layers replace the need for a second sheet of plywood, cutting down on weight, thickness and bulk.



***Mapeguard UM* offers uncoupling action with its polypropylene layers, allowing the substrate and the tile to move independently.**

SUITABLE SUBSTRATES

- Concrete
- Young concrete
- Cement mortar beds, self-leveling underlayment and leveling coats
- Approved backer units
- Cement terrazzo
- Epoxy terrazzo
- Gypsum underlayment or lightweight concrete
- Exterior-grade plywood and OSB (dry areas only)
- Existing ceramic tile or stone
- Radiant-heat systems
- Resilient flooring (properly prepared)
- Exterior balconies and terraces not over occupied living spaces

For installation instructions, consult the Installation Guide for *Mapeguard UM* at www.mapei.com.



BEST-BACKEDSM WARRANTY

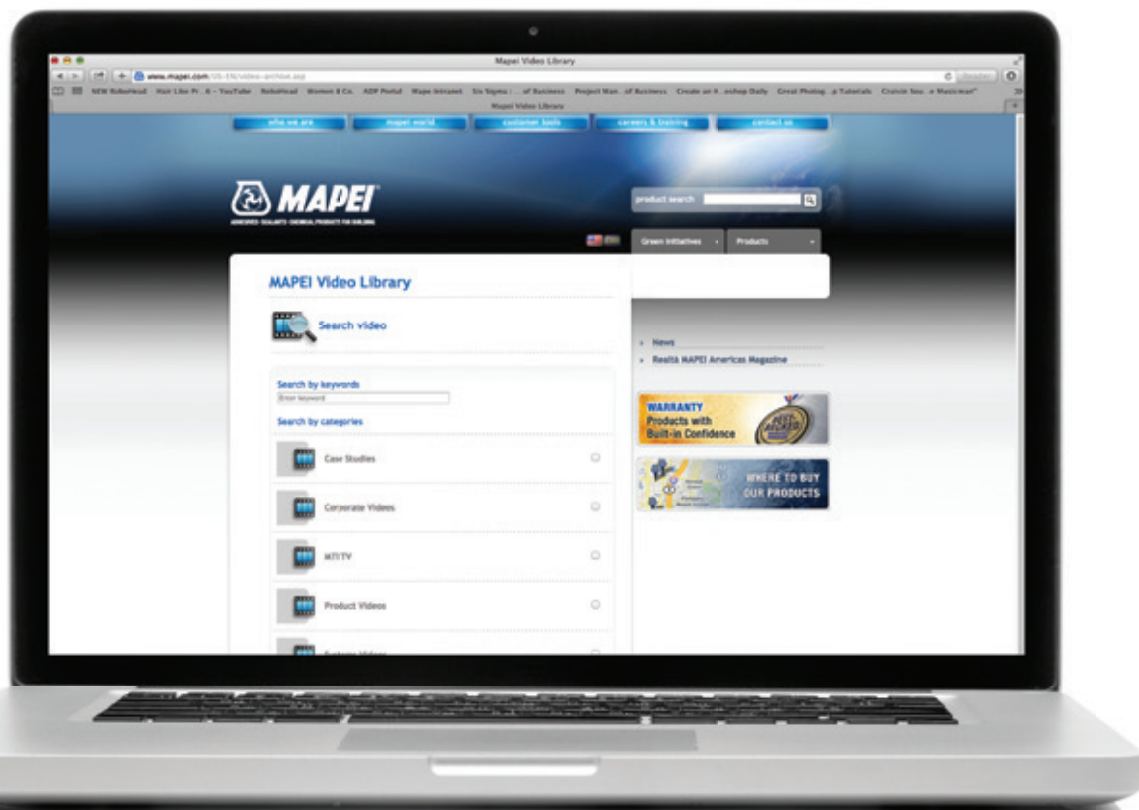
When *Mapeguard UM* is incorporated in a system with mortar and grout, either a 10-year, 25-year or Lifetime warranty will apply, depending on the selection of the products used. The term of the warranty is based on product classifications according to industry standards and approvals.

A typical system of *Ultraflex™ LFT™* modified large-and-heavy-tile mortar and *Ultracolor® Plus FA* grout with *Mapeguard UM* has a 25-year system limited warranty. Materials and labor are included in the warranties.



ADDITIONAL INFORMATION

For more information, watch the *Mapeguard UM* video and read the technical literature online at www.mapei.com.



Mapeguard® UM

MAPEI Headquarters of the Americas

1144 East Newport Center Drive
Deerfield Beach, Florida 33442
1-888-US-MAPEI (1-888-876-2734) /
(954) 246-8888

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)

Services in Mexico

0-1-800-MX-MAPEI (0-1-800-696-2734)

For the most current BEST-BACKED™ product data
and warranty information, visit www.mapei.com.

Edition Date: November 11, 2016



Keyword: MAPEI Americas

