



## reasons to try ***Mapeguard***<sup>®</sup> ***UM***

- 1 Modified thin-set.** *Mapeguard UM* eliminates the need to have both modified and unmodified thin-set mortars on the same project, because modified thin-set can be used above and beneath the membrane.
- 2 Uses 25% less mortar** than the dove-tail membrane design when the cavities are filled on the membrane top surface. And that means that *Mapeguard UM* will also save you in application effort and cost.
- 3 A single pass** is all it takes to fill the *Mapeguard UM* cavities. You no longer need to apply mortar in all four directions in order to remove the air, as with a dove-tail design. This minimizes voids and the potential for broken tile, while saving time and money.
- 4 Reinforced.** *Mapeguard UM* mesh-fabric top layer works like re-bar, locking in the mortar. It provides greater shear strength than a dove-tail membrane.
- 5 Crack isolation.** *Mapeguard UM* offers up to 1/8" (3 mm) in plane crack protection.
- 6 Moisture vapor protection.** Even when used with young concrete at 25 lbs. (11,3 kg) of MVER and 100% relative humidity, *Mapeguard UM* works like a curing blanket to minimize rapid drying and curling.
- 7 Translucent.** You can see the mortar coverage through *Mapeguard UM*, which helps to ensure full contact.
- 8 Visibility.** Chalk and laser lines show up easily on *Mapeguard UM*.
- 9 Built-in 7" (17,6 cm) upturn.** The 7" (17,6 cm) pre-crease in *Mapeguard UM* allows waterproofing applications to go more quickly. That's because you can fold the membrane at the crease and upturn it at the perimeter.
- 10 Warranted.** Rely on MAPEI's single-source warranted system from the substrate up through the grout.





### Product Performance Properties

Compressive strength	About 0,37 N/mm <sup>2</sup>
Permeance	< 0.07

### ASTM C627 Service Rating (Robinson)

Floor System	Actual Rating
16" (41 cm) o.c., wood substrate	Extra heavy
19.2" (49 cm) o.c., wood substrate	Extra heavy
24" (61 cm) o.c., wood substrate	Heavy
Concrete slab	Extra heavy

### Shelf Life and Product Characteristics

Type of material	Polypropylene (PP) for all components (textured foil, backing fleece and mesh)
Chemical resistance	High
Material thickness	1/64" (0,5 mm), nominal
Membrane height	1/8" (3 mm), nominal
Membrane color	Light green (textured plastic) and white (backing fleece)
Storage and performance temperature range	-40°F to 176°F (-40°C to 80°C)
Shelf life	2 years when stored in a dry area in original shipping container at 73°F (23°C) and 50% relative humidity

### Packaging and Coverage

Roll Size	Roll Coverage
39.4" x 16.4' (1 m x 5 m)	53.8 sq. ft. (5 m <sup>2</sup> )
39.4" x 98.4' (1 m x 30 m)	323 sq. ft. (30 m <sup>2</sup> )



### Waterproofing Sealing Tape

#### Shelf Life

Shelf life	2 years when stored in original, unopened packaging at 73°F (23°C)
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#### Packaging

Size
Roll: 5.9" x 32.8' (15 cm x 10 m)
Roll: 5.9" x 98.4' (15 cm x 30 m)

