



Planiseal[®] MBT

High-Performance, Tape-Based Moisture Barrier and Primer for Self-Leveling Underlayments



DESCRIPTION

Planiseal MBT is a next-generation, high-performance, laminated, moisture barrier and bonding solution for cement- and gypsum-based self-leveling underlayments. Once applied, *Planiseal MBT* is immediately ready for self-leveler application without the need for additional primers. *Planiseal MBT* provides instant functionality, eliminating the curing time required by epoxy systems.

FEATURES AND BENEFITS

- Ultimate moisture control and crack isolation
- Instant functionality, with no primer required
- Perm rate less than 0.1

INDUSTRY STANDARDS AND APPROVALS

- ASTM F3010 Standard Practice for Two-Component Resin Based Membrane-Forming Moisture Mitigation Systems for Use Under Resilient Floor Coverings (performance ratings only)

WHERE TO USE

- For use over concrete substrates or approved wood underlayments before the installation of gypsum- or cement-based self-leveling underlayments

LIMITATIONS

- Do not install over substrates containing asbestos.
- Do not use as a primer base for cement-based topping compounds.
- For interior installations only

- Do not install when the moisture vapor emission rate (MVER) exceeds 25 lbs. per 1,000 sq. ft. (11.3 kg per 92.9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when the relative humidity (RH) of the concrete slab exceeds 100% (ASTM F2170).
- Do not install in areas with known hydrostatic and/or moisture problems or with osmotic blistering.
- Do not apply over standing water or frozen substrates.
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C).
- Do not install unless the surface temperature of the substrate is at least 5 degrees Fahrenheit (2.8 degrees Celsius) above the dew point.
- Do not install over concrete surfaces when the pH is greater than or equal to 12.

SUITABLE SUBSTRATES

- Concrete (at least 5 days old)
- Exterior-grade plywood and other approved wood substrates (per the flooring manufacturer's recommendations)
- Patching compounds that are rated for high moisture resistance
- Radiant-heat systems that have been properly installed and maintained at a surface temperature of no more than 85°F (29°C)

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



SURFACE PREPARATION

- All substrates must be structurally sound, surface-dry, solid, stable and smooth.
- The substrate should be completely clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, and any other substance or condition that may prevent or reduce adhesion.
- Vacuum the substrate surface with a brush attachment and then tack-mop the surface using a damp mop to remove any remaining fines. Allow the surface to dry completely before installing *Planiseal MBT*.
- Cracks, deep depressions and other surface defects can be filled using high-moisture-resistant, cement-based patching or skimcoating materials before application of *Planiseal MBT*.

See the "Surface preparation requirements" reference guide in the Tile & Stone Installation Systems section of MAPEI's Website.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Roll out *Planiseal MBT* across the surface and cut it to fit with the release liner on the bottom.
2. Carefully fold back a section of *Planiseal MBT* and remove the release liner, exposing the adhesive surface.
3. Place the adhesive side down onto the substrate, with the release liner tucked behind, and press into place.
4. Progressively remove more and more of the release liner by pulling it out from underneath the material and pressing it into place.
5. Overlap the next piece of *Planiseal MBT* over the first section by 1" to 2" (2.5 to 5 cm) and repeat steps 1 to 4 until the installation area is fully covered.
6. Roll the entire application of *Planiseal MBT* using a 100-lb. (45.4-kg) roller.
7. Install any MAPEI gypsum- or cement-based self-leveling underlayment directly on top of *Planiseal MBT* at a minimum thickness of 1/4" (6 mm) over the highest point of the installation area. Follow all mixing and product application instructions for the self-leveling underlayment as shown on its packaging and Technical Data Sheet.

Shelf Life and Product Characteristics

Laboratory Tests	Results
Shelf life	2 years when stored in original, unopened container at 40°F to 90°F (4°C to 32°C)
Color	Black liner with white non-woven fabric on the surface
Perm rate	< 0.1

Packaging

Size
Roll: 233 sq. ft., at 28" x 100 ft. (21.6 m ² , at 71 cm x 30.5 m)

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RELATED DOCUMENTS

Reference guide: "Surface preparation requirements" for floor-covering installation systems*

* At www.mapei.com

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

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).

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 nor 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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