

# MAPEI SM Primer

Water-Based Primer for MAPEI Peel-and-Stick Membranes



## DESCRIPTION

MAPEI SM Primer™ is a ready-to-use, fast-drying, water-based, latex primer for use under MAPEI's peel-and-stick sheet membranes on residential and commercial indoor or outdoor floors. MAPEI SM Primer greatly increases the bond of MAPEI's peel-and-stick sheet membranes to concrete, plywood and other approved, properly prepared floors. It can be applied with a roller or brush, is white in color and dries clear.

## FEATURES AND BENEFITS

- Fully compatible with MAPEI's peel-and-stick sheet membranes
- Easy to apply with roller or brush
- High coverage rate, for economical installation
- Fast-drying, allowing sheet membrane installation after about 15 minutes
- Dries clear, so that layout lines remain visible after application
- Bonds to a variety of substrates

## INDUSTRY STANDARDS AND APPROVALS

### Green certifications

- CRI Green Label Plus #GLP54548. Refer to the CRI's Website at [www.carpet-rug.org](http://www.carpet-rug.org) for additional information.
- Living Building Challenge (LBC) Red List Free: This product has been verified per the most current Red List on the LBC's Website.

## WHERE TO USE

- MAPEI SM Primer is required when installing MAPEI's peel-and-stick sheet membranes.
- For specific uses, see individual Technical Data Sheets (TDSs) for MAPEI peel-and-stick sheet membranes.

## LIMITATIONS

- Do not apply to substrates containing asbestos.
- Do not dilute with any other liquid.
- For specific limitations, see individual TDSs for MAPEI peel-and-stick sheet membranes.
- Not for use over substrates subject to hydrostatic pressure or moisture content in excess of 5 lbs. per 1,000 sq. ft. (2.27 kg per 92.9 m<sup>2</sup>) per 24 hours using a calcium chloride test kit; over cracks subject to "out-of-plane" vertical movement; where floor movement is greater than 3/8" (10 mm); over expansion or control joints; or in areas of prolonged water immersion (such as swimming pools, spas, steam rooms, gang showers, hot tubs and fountains).

## SUITABLE SUBSTRATES

- Concrete (cured at least 28 days)
- Cement mortar beds and indoor leveling coats
- Cement backer units (CBUs) – see manufacturer's installation guidelines
- Cement terrazzo floors, well-bonded ceramic tile and natural stone, and vinyl composition tile (VCT)
- APA Group 1 and CANPLY 0121 exterior-grade plywood (interior, residential and light commercial floors and countertops in dry conditions only). See the TCNA Handbook for details and the statement regarding deflection criteria.
- For suitable substrates, see individual TDSs for MAPEI peel-and-stick sheet membranes.

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 MAPEI peel-and-stick sheet membranes. For other details, see the "Surface Preparation Requirements" reference guide in the Tile & Stone Installation Systems section of MAPEI's Website or contact MAPEI's Technical Services Department.

## PRODUCT APPLICATION

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details. Read all installation instructions thoroughly before installation.

1. When substrate and ambient temperatures are between 40°F and 95°F (4°C and 35°C), apply the primer to a clean substrate with a roller or brush to achieve full substrate coverage. Do not dilute the primer.
2. Let the primer dry about 10 to 15 minutes (or until tacky) before installing the membrane.

For complete instructions, see TDSs for MAPEI peel-and-stick membranes.

## 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.
- 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.

## CLEANUP

- Use mineral spirits to remove excess *MAPEI SM Primer* from tools, equipment and other nonporous surfaces.

## PROTECTION

- Do not allow *MAPEI SM Primer* to freeze in pail.
- Do not store *MAPEI SM Primer* in direct sunlight.
- Protect *MAPEI SM Primer* from spills, contamination and damage before and during peel-and-stick membrane application to ensure a positive bond with membrane.

### Shelf Life and Application Properties

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

<b>Color</b>	White (dries clear)
<b>Shelf life</b>	1 year (when stored in original, unopened container) at 73°F (23°C)
<b>Storage</b>	Store in a cool, dry place.
<b>VOC content (SCAQMD Rule 1113)</b>	<100 g per L
<b>Typical VOC content per SCAQMD Rule 1113 testing methods</b>	66 g per L
<b>Drying time before installing MAPEI peel-and-stick membranes</b>	10 to 15 minutes (or until clear and tacky) depending on temperature, humidity and substrate porosity)
<b>Flammability</b>	Nonflammable

## Packaging

Size	Approximate Coverage*
Jug: 1 U.S. gal. (3.79 L) – 4 jugs per case	300 to 350 sq. ft. (27.9 to 32.5 m <sup>2</sup> )
Pail: 5 U.S. gals. (18.9 L)	1,500 to 1,750 sq. ft. (139 to 163 m <sup>2</sup> )

\* Coverages shown are for estimating purposes only.

## RELATED DOCUMENTS

Reference guide: "Surface preparation requirements" for tile and stone installation systems\*\*

\*\* At [www.mapei.com](http://www.mapei.com)

## ADDITIONAL INFORMATION

Refer to the Safety Data Sheet (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](mailto:sustainability_USA@mapei.com) (USA) or [sustainability-durabilite@mapei.com](mailto:sustainability-durabilite@mapei.com) (Canada).

## WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

**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](http://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.**

## CONTACT INFORMATION

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**Technical Services**

U.S. and Puerto Rico:

Flooring: 1-800-992-6273

Concrete and heavy construction: 1-888-365-0614

Canada:

1-800-361-9309

**Customer Service**

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

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For the most current product data and BEST-BACKED<sup>SM</sup> warranty information,  
visit [www.mapei.com](http://www.mapei.com).  
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