

# MAPEI SM Primer Fast

Fast-Tacking, Water-Based Primer for MAPEI Peel-and-Stick Membranes



## DESCRIPTION

MAPEI SM Primer™ Fast is a ready-to-use, fast-drying, quick-tacking, water-based, pressure-sensitive, nonhydrolyzable latex primer for use under MAPEI's peel-and-stick sheet membranes on residential and commercial indoor or outdoor floors. MAPEI SM Primer Fast 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

## WHERE TO USE

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

## LIMITATIONS

- The surface temperature of the prepared substrate must be at least 5°F (2.5°C) above the dew point at the time of application to avoid condensation on the substrate as *MAPEI SM Primer Fast* dries.
- 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.
- This product is not for use: over substrates subject to hydrostatic pressure or moisture content in excess of 8 lbs. per 1,000 sq. ft. (3.63 kg per 92.9 m<sup>2</sup>) per 24 hours using a calcium chloride test kit (ASTM 1869); over cracks subject to “out-of-plane” vertical movement; where crack movement is greater than 3/8" (10 mm); over expansion or control joints; or in areas of prolonged water exposure and water immersion (such as swimming pools, spas, steam rooms, gang showers, hot tubs and fountains).

## SUITABLE SUBSTRATES

- Fully cured concrete (at least 28 days old)
- Cement mortar beds and leveling coats
- Cement backer units (CBUs) – see manufacturer’s installation guidelines
- Properly prepared terrazzo floors, and well-bonded ceramic tile and natural stone; and vinyl composition tile (VCT)
- APA and CANPLY Group 1 exterior-grade plywood (interior residential and light commercial floor and countertop installations in dry conditions only). See TCNA Handbook for additional information and the statement regarding deflection criteria.
- For additional information, see the latest 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 exterior-rated patch.
- 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

1. When substrate and ambient temperatures are between 40°F and 95°F (4°C and 35°C), apply primer to the clean substrate with a roller or brush to achieve full substrate coverage. Do not dilute the primer.
2. Protect the adjacent substrate where primer is not desired.
3. Let dry about 10 to 15 minutes (or until tacky) before installing the membrane, but do not wait longer than 3 hours before membrane application. For complete instructions, see TDSs for MAPEI peel-and-stick membranes.

## CLEANUP

- To remove excess *MAPEI SM Primer Fast* from tools, equipment or other nonporous surfaces, use water while the material is still fresh or mineral spirits once it has dried.

## PROTECTION

- Do not allow *MAPEI SM Primer Fast* to freeze in jug.
- Do not store *MAPEI SM Primer Fast* in direct sunlight.
- Protect *MAPEI SM Primer Fast* from spills, contamination and damage before and during peel-and-stick membrane application to ensure a positive bond with the 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) between 40°F and 95°F (4°C and 35°C)
<b>Storage</b>	Store in a cool, dry place.
<b>Application temperature range</b>	40°F and 95°F (4°C and 35°C) with dew point restriction
<b>VOCs</b>	59 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> )

\* Coverage shown is 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-durabilite@mapei.com](mailto:sustainability-durabilite@mapei.com).

### 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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### Customer Service

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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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