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

LEED v4 Points Contribution

<table>
<thead>
<tr>
<th>LEED Points</th>
<th>Health Product Declaration (HPD)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 2 points</td>
<td>up to 2 points</td>
</tr>
</tbody>
</table>

* Using this product may help contribute to LEED certification of projects in the category shown above. Points are awarded based on contributions of all project materials.

Additional Green Certifications

- CRI Green Label Plus #GLP54548. Refer to the CRI’s Website at www.carpet-rug.org for additional information.

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 m²) 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
• Properly prepared cement terrazzo floors, and 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 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 Reference & Installation Guides section of the Tile & Stone Installation Systems page on 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 clean substrate with a roller or brush to achieve full substrate coverage. Do not dilute primer.
2. Let 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
1. 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.
2. Protect tilework with metal strips (edge metal) along both edges of structural building expansion joints.
3. When necessary, cut tiles along both edges of the expansion joints. Do not allow tile and mortar to overlap the joints.
4. 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 or 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White (dries clear)</td>
</tr>
<tr>
<td>Shelf life</td>
<td>1 year (when stored in original, unopened container) between 40°F and 95°F (4°C to 35°C)</td>
</tr>
<tr>
<td>Storage</td>
<td>Store in cool, dry place.</td>
</tr>
<tr>
<td>Application temperature range</td>
<td>See TDSs for individual products.</td>
</tr>
<tr>
<td>VOCs (Rule #1113 of California’s SCAQMD)</td>
<td>59 g per L</td>
</tr>
<tr>
<td>VOCs (California DPH, Section 01350)</td>
<td>Passed</td>
</tr>
<tr>
<td>Drying time before installing MAPEI peel-and-stick membranes</td>
<td>10 to 15 minutes (or until clear and tacky) depending on temperature, humidity and substrate porosity</td>
</tr>
<tr>
<td>Flammability</td>
<td>Nonflammable</td>
</tr>
</tbody>
</table>

### Packaging

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Size</th>
<th>Approximate Coverage†</th>
</tr>
</thead>
<tbody>
<tr>
<td>7071001</td>
<td>Jug: 1 U.S. gal. (3.79 L) – 4 jugs per case</td>
<td>300 to 350 sq. ft. (27.9 to 32.5 m²)</td>
</tr>
<tr>
<td>7071005</td>
<td>Pail: 5 U.S. gals. (18.9 L)</td>
<td>1,500 to 1,750 sq. ft. (139 to 163 m²)</td>
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† Coverages shown are for estimating purposes only.
We proudly support the following industry organizations:

MAPEI Headquarters of North America
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
01-800-MX-MAPEI (01-800-696-2734)

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For the most current BEST-BACKED™ product data and warranty information, visit www.mapei.com.
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Related Documents
Reference Guide: Surface Preparation Requirements for tile and stone installation systems*

* At www.mapei.com

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

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