



Primer T™

All-Purpose Primer for Self-Leveling Underlayments



DESCRIPTION

Primer T is a low-VOC, water-based acrylic primer that enhances the performance and adhesion of self-leveling underlayments (SLUs) on nonabsorbent surfaces such as ceramic tile, vinyl composition tile (VCT), epoxy moisture barriers and adhesive residue, as well as profiled, absorbent surfaces. Suitable for a wide variety of substrates, *Primer T* combines excellent versatility with an easy, low-odor application.

FEATURES AND BENEFITS

- One-component, versatile primer for a wide variety of substrate conditions
- Low odor and VOC compliance for safe use in interior, occupied environments
- Single-coat application for faster turnaround and lower installation costs
- Easy handling and application

INDUSTRY STANDARDS AND APPROVALS

<u>LEED Points Contribution</u>	<u>LEED Points</u>
MR Credit 5, Regional Materials*	Up to 2 points
IEQ Credit 4.2, Low-Emitting Materials – Paints & Coatings	1 point

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

WHERE TO USE

- Use *Primer T* when applying a self-leveling underlayment on properly prepared suitable substrates.
- Interior residential (apartments, condominiums and homes)
- Interior commercial (office buildings, hotel rooms and hallways, restaurants and cafeterias)
- Interior heavy commercial (hotel lobbies, convention centers, airports, shopping malls, grocery stores and department stores)
- Interior institutional (hospitals, schools, universities, libraries and government buildings)

LIMITATIONS

- Do not install over any substrates containing asbestos.
- Substrate and ambient temperatures must be between 50°F to 90°F (10°C to 32°C).
- In all cases, the surface temperature of the prepared concrete slab must be at least 5°F (2,8°C) above the dew point to avoid condensation on the concrete surface as *Primer T* dries.
- Protect from freezing.
- For moisture limits on this primer, refer to the moisture limits of the product to be applied over it.
- Verify that the substrate is free of bond-inhibiting or bond-breaking materials such as curing compounds and dust.
- For use only in dry, interior environments. Do not apply on wet substrates.



- Use undiluted over moisture-stable, exterior-grade plywood.
- Use undiluted over dense, nonabsorbent surfaces, such as epoxy moisture barriers, floor-covering adhesive residue, and properly prepared ceramic tile and VCT.
- Dilute the product for application over absorbent, porous substrates at a ratio of 1:1 to 2:1 (water to primer).

SUITABLE SUBSTRATES

- Properly prepared and bonded tile, stone and VCT
- Properly prepared and installed 100%-solids epoxy moisture barriers
- Epoxy cement terrazzo and poured epoxy flooring
- Cement backer units (CBUs)
- Substrates with traces of well-adhered, water-resistant glue (cutback adhesive, floor-covering adhesive or polyurethane adhesive)
- Dimensionally stable exterior-grade plywood
- Properly prepared sound and stable concrete substrates, whether smooth and nonabsorbent or profiled and absorbent
- Use over gypsum-based SLUs that are free of gypsum dust before application of cementitious or gypsum-based SLUs.

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

SURFACE PREPARATION

- All substrates must be interior, structurally sound, dry, solid and stable.
- Mechanically prepare existing ceramic, quarry and porcelain tile, as well as cement terrazzo.
- Thoroughly clean all surfaces of any substance that could interfere with the bond of the installation material, including dirt, paint, tar, asphalt, wax, oil, grease, latex compounds, sealers, curing compounds, form release agents, laitance, loose toppings, foreign substances, and poorly bonded adhesive residues.
- Do not acid-etch surfaces before applying *Primer T*.
- When applying MAPEI underlayments to plywood flooring or oriented strand board (OSB), the installation specifics (finished flooring, load, use and/or deflection) may require the use of MAPEI's *Mapelath*™ or diamond mesh (meeting the requirements of ASTM C847) on top of the primed surface before application of the underlayment. In all cases, one can anticipate better performance when utilizing lath, particularly over OSB. Refer to *Mapelath*'s current Technical Data Sheet for installation instructions. Differential or excessive

movement within a plywood substrate may lead to hairline cracks at plywood joints.

MIXING

Note: Choose all appropriate safety equipment before use. Refer to the Safety Data Sheet for more information.

- 1a. Over nonabsorbent surfaces: Apply *Primer T* undiluted. (Add no water; no mixing is required.)
- 1b. Over porous, absorbent surfaces (typically absorbent, profiled concrete substrates): Dilute *Primer T* with water at a ratio of 1:1 to 2:1 (water to primer). Mix with water in a separate clean container with a low-speed mixer and paddle to a homogenous consistency. Do not mix at high speeds, which may cause product foaming.
- 1c. Over gypsum substrates: Dilute at a ratio of 2:1 (water to primer). Mix as indicated in Step 1b and apply two coats if required by visual inspection. Ensure that the gypsum substrate is sound and free of gypsum dust.

PRODUCT APPLICATION

Note: Read all installation instructions thoroughly before installation.

1. Apply the product with a 3/8" (10 mm) nap roller. Ensure that the surface receives a complete, thin film of product.
- 2a. Nonabsorbent substrates and wood require only one coat of undiluted *Primer T*.
- 2b. Absorbent and gypsum substrates may require more than one coat of diluted *Primer T* to seal off the substrate and prevent substrate outgassing.
3. The underlayment can typically be applied within 2 to 5 hours (see the "Shelf Life and Application Properties" table). Drying times will vary depending on the porosity of the surface, temperature and humidity. The maximum wait time from initial application is 24 hours.
4. If the dried *Primer T* remains uncovered for more than 24 hours, re-apply a second, undiluted coat and install the underlayment within the correct application window (see the "Shelf Life and Application Properties" table). If the application window is missed again, remove the primer mechanically and start the installation on the clean substrate.

CLEANUP

- Clean equipment immediately with water. Mineral spirits may be used to remove primer that has dried on tools.

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

Laboratory Tests	Results
Polymer type	Acrylic
Percent solids	43% to 45%
VOCs	92 g per L
pH	7 to 8
Viscosity (RV2 @ 20 rpm)	1,400 cps
Density	64.2 lbs. per cu. ft. (1,03 g per cm ³)
Consistency	Pourable liquid
Color	White
Application temperature range	50°F to 90°F (10°C to 32°C)

Shelf Life and Application Properties at 73°F (23°C) and 50% relative humidity

Shelf life	2 years when stored in original, unopened packaging in a dry, covered location
Window for application of SLU at 73°F (23°C)	2 to 3 hours of drying time up to 24 hours from application over porous substrates (concrete, wood and gypsum); 4 to 5 hours of drying time up to 24 hours from application over nonporous substrates (ceramic and VCT)
Flash point (Seta)	> 212°F (100°C)

CSI Division Classification

Cast Underlayment	03 54 00
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Packaging

Size
1 U.S. qt. (946 mL)
2 U.S. gals. (7,57 L)

Approximate Coverage*

Typical Application Tool	Coverage
3/8" (10 mm) nap roller	2 U.S. gals. (7,57 L): 400 to 800 sq. ft. (37,2 to 74,3 m ²) 1 U.S. qt. (946 mL): 50 to 100 sq. ft. (4,65 to 9,29 m ²)

* Coverage depends on the substrate profile and porosity.

Primer-T™



Refer to the SDS for specific data related to VOCs, health and safety, and handling of product.

STATEMENT OF RESPONSIBILITY

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith.

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:



MAPEI Headquarters of the Americas

1144 East Newport Center Drive
Deerfield Beach, Florida 33442
Phone: 1-888-US-MAPEI
(1-888-876-2734)

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

0-1-800-MX-MAPEI (0-1-800-696-2734)

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For the most current BEST-BACKED™ product data and warranty information, visit www.mapei.com.

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