

Primer T

All-Purpose Primer for Self-Leveling Underlayments



DESCRIPTION

Primer T[™] is a low-VOC, magenta-colored, water-based acrylic primer that enhances the performance and adhesion of self-leveling underlayments (SLUs) on nonporous and porous substrates. Suitable for a wide variety of substrates, *Primer T* combines excellent versatility with easy, low-odor application.

FEATURES AND BENEFITS

- One-component, versatile primer for a wide variety of substrate conditions
- Single-coat application for faster turnaround and lower installation costs
- Easy handling and application
- Magenta-colored for easier coverage control

INDUSTRY STANDARDS AND APPROVALS

Green certifications

- 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

- Use *Primer T* when applying a self-leveling underlayment on properly prepared suitable substrates.

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 degrees F (2,8 degrees C) above the dew point to avoid condensation on the concrete surface as *Primer T* dries.
- For moisture limits on this primer, refer to the moisture limits of the product to be applied over it.
- 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 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 bonded tile, stone and VCT
- Properly installed 100%-solids epoxy moisture barriers
- Epoxy terrazzo, 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
- 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, dust, 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

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details.

1a. Over nonabsorbent surfaces and wood: 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.

PRODUCT APPLICATION

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 "Application Properties" chart below). 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 "Application Properties" chart). 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
Solids content	43% to 45%
VOCs (Rule #1113 of California's SCAQMD)	92 g per L
VOCs (Section 01350 of California's CDPH)	Passed
pH	7 to 8
Viscosity (RV2 @ 20 rpm)	1,400 cps
Density	64.2 lbs. per cu. ft. (1,03 g per cm ³)

Shelf Life and Product Characteristics

Polymer type	Acrylic
Consistency	Pourable liquid
Color	Magenta
Shelf life	2 years when stored in original, unopened packaging at 73°F (23°C) and 50% relative humidity. Protect from freezing during transport and storage.

Application Properties

Application temperature range	50°F to 90°F (10°C to 32°C)
Window for application of SLU at 73°F (23°C)	<u>Over porous substrates:</u> Primer T must dry for at least 2 to 3 hours (no longer than 24 hours) <u>Over nonporous substrates:</u> Primer T must dry for at least 5 hours (no longer than 24 hours)
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	1 U.S. qt. (946 mL): 50 to 100 sq. ft. (4,65 to 9,29 m ²); 2 U.S. gals. (7,57 L): 400 to 800 sq. ft. (37,2 to 74,3 m ²)

* Coverage depends on the substrate profile and porosity.

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.

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.**

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

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