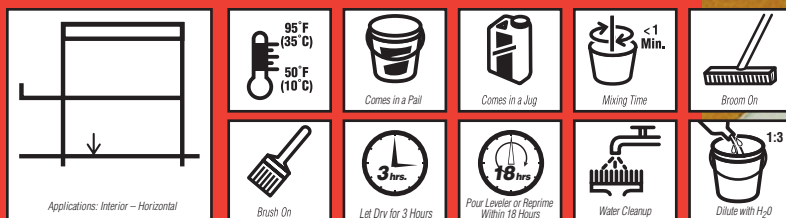




Primer LTM

Solvent-Free

Advanced-technology acrylic latex primer for concrete



Primer L is green for easy identification.



DESCRIPTION

Primer L (formerly Ultraprime L) is a concentrated, solvent-free acrylic primer used prior to the installation of underlayments and topping materials. It is green for easy identification. *Primer L* improves the bond between a properly prepared and profiled concrete substrate, and self-leveling underlayment or topping materials.

USES

Use *Primer L* when applying a self-leveling underlayment or topping on a properly prepared and profiled concrete surface. For best results with *Ultratop*® and topping materials, use MAPEI's premium-grade primer *Planibond*® EBA.

RECOMMENDED SUBSTRATES

- Properly prepared, sound, dimensionally stable, fully cured concrete at least 28 days old. Consult the floor-covering or coating manufacturer's recommendations regarding the maximum allowable Moisture Vapor Emission Rate (MVER) and retained moisture content in substrate. For substrates with an MVER exceeding 5 lbs. per 1,000 sq. ft. (2,27 kg per 92,9 m²) per 24 hours, using a calcium chloride test (reference ASTM F1869), install MAPEI's *Planiseal*™ MRB moisture-reduction barrier. Consult MAPEI's Technical Services Department for specific installation recommendations.

Note: The maximum allowable MVER is always determined by the components of the complete system installed, including primers, underlayment/topping, floor coverings and sealers. The wide variety of substrate conditions, floor coverings and adhesives available today requires careful analysis of the intended final floor use as well as compliance with each manufacturer's recommendations for MVER, retained moisture content and adhesive selections. Always install

several correctly located test areas to ensure compatibility, bond strength and performance of the complete flooring system.

- For plywood substrates, tile and other nonporous substrates, refer to the Technical Data Sheets for *Primer WE*™, *Mapeprime*™ 1K and *Planibond EBA*.

TECHNICAL NOTES

- Planibond EBA* or *Primer L* must be used before the installation of toppings. For best results with toppings, use *Planibond EBA*.
- Primer L*, *Mapeprime 1K* or *Primer WE* must be used before the installation of *Ultraplan*® self-leveling underlayments and toppings, and *Novoplan*® self-leveling underlayments.
- Primer L* can only be used when concrete substrate and ambient room temperatures are between 50°F and 95°F (10°C and 35°C). For temperatures above 85°F (29°C), follow ACI hot-weather application guidelines to ensure a successful installation. Maximum open time to recoat or to apply topping and underlayment is 18 hours. Do not apply underlayment or topping before at least 3 hours of curing.

INSTRUCTIONS

1. Surface Preparation

- All substrates must be structurally sound, stable and solid. Concrete substrates must have tensile strength of at least 175 psi (1,21 MPa).
- Thoroughly clean the surface and remove substances that could interfere with the bond of the installation material. These include dirt, paint, tar, asphalt, wax, oil, grease, latex compounds, sealers, curing compounds, form release agents,

TECHNICAL DATA

(material and hardening conditions at 73°F [23°C] and 50% relative humidity)

Drying time	About 3 hours
Flammability	Not applicable
Storage	Store in a cool, dry place. Protect from freezing.
Shelf life	2 years
Health and safety	Consult the Material Safety Data Sheet (MSDS) for safe-handling instructions.

PACKAGING

Jug: 1 U.S. gal. (3,79 L) (4 jugs per case)

Pail: 5 U.S. gals. (18,9 L)

APPROXIMATE COVERAGE*

1 U.S. gal. (3,79 L) 600 to 800 sq. ft. (55,7 to 74,3 m²)

* Coverages shown are for estimating purposes only. Actual job-site coverage may according to substrate conditions, type of equipment, thickness applied and application methods used.

- laitance, loose toppings, foreign substances and adhesive residue.
- 1.3 Concrete surfaces must be mechanically profiled and prepared by shotblasting, sandblasting, water-jetting, scarifying, diamond-grinding or other engineer-approved methods (reference ICRI CSP 3 or greater standards for acceptable profile height).

- 1.4 Porous concrete may be subject to "outgassing," the release of trapped air from concrete. Outgassing is visually undetectable and could cause surface defects with the installation.

Outgassing may be aggravated by mechanical preparation of the substrate. To address this, wait 48 hours after proper mechanical preparation of the substrate before applying the first coat of primer. Vacuum all dust from the surface before applying the primer. If a project does not permit waiting 48 hours, some surfaces may be primed with *Planibond® EBA*. Perform a mockup test to confirm results before pouring (see *Planibond EBA* Technical Data Sheet for details). For use with underlayments and other finished floor systems – such as resilient, vinyl composition tile (VCT) and ceramic – consult the manufacturer regarding the maximum allowable moisture content and MVER prior to installation. For the best performance of finished floor systems that comprise self-leveling toppings, substrates exhibiting an MVER exceeding 5 lbs. (2,27 kg) should be treated by installing *Planiseal™ MRB*.

- 1.5 Before general installation, apply several small test areas to ensure compatibility between the substrate and *Planiseal MRB* (see the *Planiseal MRB* Technical Data Sheet for details).

2. Mixing

- 2.1 Dilute 1 part of *Primer L* with 1 to 3 parts of clean potable water. Porous concrete may require additional coats (at the same dilution rate) to avoid surface defects in the finished leveler application. Do not apply at lower dilution rates (1-to-1, or 1-to-2); rather, use multiple coats at a 1-to-3 ratio for priming the substrate.

- 2.2 Stir using a low-speed mixer (at 300 to 500 rpm) and a "Jiffy" mixing paddle. Do not overmix at high speeds, which could cause the product to foam.

3. Application

- 3.1 Make sure concrete substrate and ambient room temperatures are between 50°F and 95°F (10°C and 35°C) before application. Temperatures must be maintained within this range for at least 72 hours after the installation of primer and finished material. In cooler conditions, use indirect auxiliary heaters to maintain ambient and substrate temperatures within the required range. For temperatures above 85°F (29°C), follow ACI hot-weather application guidelines to ensure a successful installation.
- 3.2 Apply primer, working it into the substrate with a push broom or brush. Do not use roller to apply. Additional coats may be required over extremely porous concrete.
- 3.3 Remove any puddles. Install MAPEI self-leveling underlayments or topping materials after *Primer L* has turned to a green, transparent film (with no milky spots) and is tacky to the touch (after about 3 hours at 73°F [23°C]). Lower substrate temperatures and/or humid conditions could extend the drying time before application of leveler. The maximum open time between coats or before applying a leveler is 18 hours.

NOTICE

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.**

For the most current product data, visit www.mapei.com.

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Ceramic Tile Distributors Association



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