Primer L

Advanced-Technology, Acrylic Latex Primer for Concrete

DESCRIPTION

Primer L™ is a concentrated, solvent-free acrylic primer used before the installation of underlayment materials. It is green for easy identification. *Primer L* improves the bond between a properly prepared and profiled concrete substrate, and a self-leveling underlayment. *Primer L* can also be used as a primer for gypsum-based underlayments and patches.

FEATURES AND BENEFITS

- Easy application and quick-drying
- Low odor and low VOCs
- Tinted green for easy coverage identification

WHERE TO USE

- Use *Primer L* when applying a self-leveling underlayment on a properly prepared and profiled concrete surface.
- Use *Primer L* to prime the surface of poured gypsum underlayment materials and screeds/mortar beds.
- Use *Primer L* in between layers of MAPEI self-leveling underlayments.

LIMITATIONS

- Do not install over substrates containing asbestos.

- Do not install over standing water.
- Use only when the ambient and substrate temperatures are between 50°F and 90°F (10°C and 32°C). For temperatures above 85°F (29°C), follow ACI hot-weather application guidelines. Allow at least 3 hours of drying before applying an underlayment (ACI 305-R10 and ACI 305-R90).
- 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 L* dries.
- The maximum open time to recoat or to apply the underlayment or patch is 18 hours.
- Do not use on on-grade slabs that are subject to freeze/thaw cycles.

SUITABLE SUBSTRATES

- Sound, dimensionally stable, fully cured concrete at least 28 days old with a tensile strength of at least 175 psi (1.21 MPa), as well as properly prepared and fully cured cement mortar beds and cement screeds
- Gypsum-based underlayments or patches that are dry, intact, well-bonded, stable and free of existing cracks

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

SURFACE PREPARATION

- Thoroughly clean the surface 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, foreign substances and adhesive residue.
- Prepare concrete surfaces according to subfloor preparation requirements of the underlayment or patching compound to be applied.

MIXING

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

1. Dilute 1 part of *Primer L* with 3 parts of clean, potable water. Do not use *Primer L* at full strength or any other dilution ratios.
2. Mix using a low-speed mixer and a Jiffy mixing paddle. Do not mix at high speeds, which may cause product foaming.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Pour the mixed primer onto the substrate and work it into the surface using a push broom or brush. Do not use a roller to apply. Do not puddle. Additional coats may be required upon visual inspection over extremely porous concrete.
2. Allow the material to dry for about 3 hours at 73°F (23°C) until it has turned into a green, transparent film (with no milky spots). Lower substrate temperatures and/or higher humid conditions could extend the drying time.
3. The maximum open time between coats or before applying a leveler is 18 hours. Re-apply a second coat if the dried *Primer L* remains uncovered longer than 18 hours.

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
VOC content (SCAQMD Rule 1113)	< 50 g per L
Typical VOC content per SCAQMD Rule 1113 testing methods	1 g per L

Shelf Life and Application Properties

Shelf life	2 years when stored in original, unopened packaging in a dry, covered location at 73°F (23°C) and 50% relative humidity
Polymer type	Acrylic
Drying time	About 3 hours
Consistency	Pourable liquid
Color	Green
Temperature range for application	50°F to 90°F (10°C to 32°C)

CSI Division Classification

Cast Underlayment	03 54 00

Packaging

Size
Jug: 1 U.S. gal. (3.79 L) (2 jugs per case)
Pail: 5 U.S. gals. (18.9 L)

Approximate Coverage*

Size	Coverage
1 U.S. gal. (3.79 L) diluted at a ratio of 3:1 (water to primer)	600 to 800 sq. ft. (55.7 to 74.3 m^2)
5 U.S. gals. (18.9 L) diluted at a ratio of 3:1 (water to primer)	3,000 to 4,000 sq. ft. (279 to 372 m^2)

** Coverage depends on the profile and porosity of the substrate.*

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.

WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

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-BACKED[SM] warranty information, visit www.mapei.com.

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