

# Primer X

Fast-Drying, Textured Primer for Nonporous Substrates



## DESCRIPTION

*Primer X™* is a fast-drying, high-performance, low-VOC, water-based, acrylic primer. It is textured to enhance the performance and adhesion of self-leveling underlayments over 100%-solids, epoxy moisture barriers and other suitable substrates.

## FEATURES AND BENEFITS

- Dries quickly, in 1 to 2 hours, depending on environmental conditions
- High bond to 100%-solids, epoxy moisture-control membranes
- Low in odor and VOCs for use in interior, occupied environments

## WHERE TO USE

- Approved for use over properly installed, completely cured, 100%-solids, epoxy moisture barriers
- Approved for use over nonporous 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 Fahrenheit (2.8 degrees Celsius) above the dew point to avoid condensation on the concrete surface as *Primer X* dries.
- 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.
- Do not dilute. Use at full strength for all applications.

## SUITABLE SUBSTRATES

- Properly installed, 100%-solids, epoxy moisture barriers
- Epoxy and cement terrazzo
- Poured epoxy flooring
- Properly bonded VCT
- Sound and stable concrete substrates, whether smooth/nonporous or profiled/porous
- Wood underlayments, as approved by the flooring manufacturer

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

## SURFACE PREPARATION

- All substrates must be structurally sound, dry, solid and stable.
- 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 adhesive residues.

See the "Surface-preparation requirements for self-leveling underlayments" reference guide in the Floor Covering Installation Systems section of MAPEI's Website.

## MIXING

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

- *Primer X* is ready to use; no dilution is required.
- Before use, shake in case any settling has occurred during shipment or storage.

## PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Do not pour *Primer X* directly on the subfloor. Use a paint tray and apply using a dip-and-roll method.
2. Apply product with a 1/4" (6 mm) nap roller. Ensure that the surface receives a complete, thin film of product. Do not over-apply or puddle *Primer X*, as this will have a negative effect on drying time and potentially lead to poor bond performance.

3. An underlayment can typically be applied after 1 to 2 hours. Drying times will vary depending on porosity of surface, temperature and humidity.
4. As long as the surface of *Primer X* is clean and undamaged, there is no time limitation for underlayment application. If the cured *Primer X* surface becomes damaged or dirty, an additional thin coat may be applied.

## CLEANUP

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

### Product Performance Properties

| Laboratory Tests                         | Results      |
|------------------------------------------|--------------|
| Solids content                           | 58% to 60%   |
| pH                                       | 7.5 to 8.5   |
| Density                                  | 1.2 g per L  |
| VOC content (SCAQMD Rule 1113)           | < 50 g per L |
| Typical VOC content per SCAQMD Rule 1113 | 23 g per L   |

### Shelf Life and Product Characteristics before mixing

|              |                                                                    |
|--------------|--------------------------------------------------------------------|
| Shelf life   | 2 years when stored in original, unopened packaging at 73°F (23°C) |
| Consistency  | Pourable liquid                                                    |
| Polymer type | Acrylic                                                            |
| Color        | Light yellow                                                       |

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

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

|                                                             |                             |
|-------------------------------------------------------------|-----------------------------|
| Application temperature range                               | 50°F to 90°F (10°C to 32°C) |
| Waiting time for application of self-leveling underlayments | 1 to 2 hours                |
| Flash point (Seta)                                          | > 212°F (100°C)             |

## CSI Division Classification

|                   |          |
|-------------------|----------|
|                   |          |
| Cast Underlayment | 03 54 00 |

## Approximate Coverage\*

per 2 U.S. gals. (7.57 L)

| Typical Application Tool | Coverage                                            |
|--------------------------|-----------------------------------------------------|
| 1/4" (6 mm) nap roller   | 1,200 to 1,400 sq. ft. (111 to 130 m <sup>2</sup> ) |

\* Coverage depends on the substrate profile and porosity.

## Packaging

| Size                       |
|----------------------------|
| Jug: 2 U.S. gals. (7.57 L) |

## RELATED DOCUMENTS

- "Surface-preparation requirements for self-leveling underlayments" reference guide\*\*

\*\* At [www.mapei.com](http://www.mapei.com)

## 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\\_USA@mapei.com](mailto:sustainability_USA@mapei.com) (USA) or [sustainability-durabilite@mapei.com](mailto:sustainability-durabilite@mapei.com) (Canada).

## 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](http://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<sup>SM</sup> warranty information,  
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