



Primer WE™

Water-Based Epoxy Primer



DESCRIPTION

Primer WE is a two-component, polymer-modified, water-based epoxy primer for enhanced adhesion to nonporous substrates before the application of MAPEI self-leveling materials. It improves adhesion over smooth, nonabsorbent and difficult-to-bond-to substrates such as properly prepared glazed ceramic tile, epoxy moisture barriers, cement-based terrazzo, old cutback adhesive residue and approved plywood subfloors.

FEATURES AND BENEFITS

- Water-based, high-performance epoxy technology with superior bond over a wide variety of substrates
- Easy to mix with extended pot life
- Low odor and VOC compliance enhance use in interior, occupied environments.
- The mixed product is purple for easy coverage identification.

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

- *Primer WE* improves adhesion over smooth, nonabsorbent and difficult-to-bond-to substrates such as glazed ceramic tile, porcelain tile, vinyl composition tile (VCT), cement- and epoxy-based terrazzo, epoxy moisture barriers, thin layers of old cutback adhesive residue and properly prepared engineer-approved plywood subfloors.
- 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 substrates containing asbestos.
- For moisture limits on this primer, refer to the moisture limits of the product to be applied over it.
- Do not use over porous concrete.
- Do not apply *Primer WE* over particleboard, chipboard, hardboard (Masonite), Lauan panels, metal, gypsum-based patching materials or any other nondimensionally stable materials.
- 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 (ACI 305-R10 and ACI 305-R90).



SUITABLE SUBSTRATES

- Properly prepared and bonded ceramic tile, quarry tile, VCT, cement and epoxy terrazzo, epoxy moisture barriers and thin layers of old cutback adhesive residue installed over concrete
- Engineer-approved plywood subfloors

Consult MAPEI's Technical Services Department for installation recommendations regarding 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, loose toppings, foreign substances and adhesive residue.

MIXING

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

1. Stir individual components separately before combining.
2. Using a low-speed mixer and a Jiffy mixing paddle, mix Part A with Part B thoroughly for 3 minutes. Part A is blue and Part B is pink; when mixed, the primer becomes purple. Stop after about a minute to scrape material off the sides of the mixing container. Mix for 2 minutes to a smooth, homogenous consistency. Do not mix at high speeds, which can trap air within the mixed material.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Pour the mixed primer onto the floor. *Primer WE* must be used within an hour of mixing. Discard excess or unused material after 1 hour.
2. Apply the primer onto the substrate with a short-nap or sponge roller. Do not puddle the material. Completely cover all areas of the substrate that will receive the underlayment material.
3. Install a MAPEI self-leveling underlayment after *Primer WE* has dried to a purple, transparent film (with no milky spots) and is tacky to the touch.

CLEANUP

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

Product Performance Properties

Laboratory Tests	Results
Drying time after application	90 minutes to 3 hours
Pot life	Up to 1 hour
VOCs	< 5 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. Protect from freezing during transport and storage.
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CSI Division Classifications

Concrete Topping	03 53 00
Cast Underlayment	03 54 00

Packaging

Size and Color
Kit: 2 U.S. gals. (7,57 L)
Part A, pail: 5 U.S. gals. (18,9 L), blue
Part B, pail: 5 U.S. gals. (18,9 L), pink

Approximate Coverage* – Parts A and B mixed

Size	Coverage
2 U.S. gals. (7,57 L)	400 to 800 sq. ft. (37,2 to 74,3 m ²)
10 U.S. gals. (37,9 L)	2,000 to 4,000 sq. ft. (186 to 372 m ²)

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

Primer WE™



Refer to the SDS for specific data related to health and safety as well as product handling.

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 or 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.**

We proudly support the following industry organizations:



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

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