

Mapecoat TNS Primer EPW

Two-Part, Water-Based, Epoxy Primer



DESCRIPTION

Mapecoat™ TNS Primer EPW is a two-part, epoxy primer in water dispersion for indoor and outdoor surfaces. It enhances the performance and the adhesion of *Mapecoat TNS* products.

FEATURES AND BENEFITS

- Easy to apply
- Fast-set drying
- Environmentally friendly

WHERE TO USE

- As a primer over concrete substrates before applying *Mapecoat TNS* products

LIMITATIONS

- Concrete substrates must be completely cured (at least 28 days), and free from hydrostatic pressure and alkaline conditions.

- Do not install when the moisture vapor emission rate (MVER) exceeds 8 lbs. per 1,000 sq. ft. (3.63 kg per 92.9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when relative humidity of concrete slabs exceeds 85% (ASTM F2170).
- Do not apply when rain is imminent.
- Do not apply over damp or wet surfaces.
- Apply only when the surface temperature is between 50°F and 140°F (10°C and 60°C).
- Apply if the ambient temperature is higher than 46°F (8°C).
- Do not apply if the level of relative humidity is higher than 85%.
- Do not apply directly on concrete without an efficient vapor barrier under the slab.

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

SURFACE PREPARATION

- For base construction surfaces, all the standard requirements must refer to the American Sports Builders Association (ASBA) guidelines.
- The substrate must be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion.
- Existing concrete must be prepared by mechanical methods (shotblasting or sandblasting) to obtain a concrete surface profile (CSP) of at least #3.
- All defects (potholes, popouts, etc.) must be leveled with an exterior-grade patch like *Planitop*® 200 or *Mapecoat TNS CB* before starting the application. "Bird baths" that are thicker than one coin, 1/16" or 1.5 mm, should be outlined and patched.

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

MIXING

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

1. *Mapecoat TNS Primer EPW* is packaged to exact quantity ratios for maximum performance per 2-U.S.-gal. (7.57-L) kit. Always mix complete units.
2. Protect the mixing area from spills.
3. Using a low-speed mixer (less than 300 rpm), mix Part B for 1 minute.
4. Pour Part A into Part B. Place the cap back on the Part A container and turn the container upside-down to ensure that all remaining material drains into the cap. Pour the remaining material into Part B and mix. Always mix complete units, to ensure that the material is mixed thoroughly to a smooth and homogenous consistency (generally within 2 minutes).
5. Dilute the product with 1 U.S. gal. (3.79 L) of cool water – or with 1.3 U.S. gals. (4.92 L) when the ambient temperature exceeds 86°F (30°C). Mix for an additional 1 minute or until homogenous consistency.

APPLICATION

Apply *Mapecoat TNS Primer EPW* with a 1/2" (12 mm) nap roller or with a rubber squeegee that is 50 or 70 durometers.

DRYING TIME

- 60 to 90 minutes at 73°F (23°C) and 50% relative humidity. Low temperatures and high humidity will increase drying time.
- Wait 2 to 4 hours (based on weather conditions) before allowing traffic or applying a *Mapecoat TNS* product.

CLEANUP

- Clean tools with water while the product is still fresh/wet. Once the product is dry, clean tools with mineral spirits. Use caution with mineral spirits, which may harm some materials.

PACKAGING

- Mapecoat TNS Primer EPW* is supplied in a kit measuring 2 U.S. gals. (7.57 L).

Shelf Life and Product Characteristics

Shelf life	1 year if stored in original, unopened packaging at 73°F (23°C). Protect from freezing.
Physical state	Liquid
Color of mixture	Off-white
VOC content (SCAQMD Rule 1113)	< 100 g per L
Typical VOC content per SCAQMD Rule 1113 testing methods	0 g per L
Ambient temperature range for application	46°F to 95°F (8°C to 35°C)
Workability time	40 to 50 minutes

Approximate Coverage*

(undiluted)

Application tool	Coverage in sq. ft. per U.S. gal.	Coverage in sq. yd. per U.S. gal.	Coverage in m ² per L
Roller	250 to 300	28 to 33	6.1 to 7.3
Squeegee	150 to 200	16 to 22	3.7 to 4.9

** Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and application techniques.*

ADDITIONAL INFORMATION

Refer to the 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 (USA) or 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. **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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