

Triblock P [NA]

Three-Component, Epoxy-Cementitious Primer for Damp Substrates



DESCRIPTION

Triblock™ P [NA] is a three-component, waterproofing primer for substrates. It is designed to treat concrete substrates that have vapor emissions exceeding the limits for the application of epoxy and/or polyurea coatings.

FEATURES AND BENEFITS

- Can be applied on damp or dry concrete substrates
- Can be mixed with *MAPEI Quartz 35* or *MAPEI Quartz 60* broadcast aggregates to smooth uneven surfaces
- Can be used to smooth uneven substrates with pop-outs, light scaling and other concrete surface irregularities
- Provides a high bond to concrete substrate

WHERE TO USE

- Can be applied to damp substrate with vapor emissions exceeding the limit of MAPEI's compatible coating products such *Mapecoat™ EPN [NA]* and *Mapecfloor™* systems.

SUITABLE SUBSTRATES

- Properly prepared concrete substrates at least 28 days old and that have been mechanically prepared using dustless, engineer-approved methods to an International Concrete Repair Institute (ICRI) concrete surface profile (CSP) of #3 to #4

- *Triblock P* [NA] may be installed on concrete substrates that have had at least 7 days to cure. When installing on such “green” concrete, be aware that continued substrate shrinkage during curing may lead to the formation of substrate cracks that penetrate *Triblock P* [NA] and related products over it. This is a natural risk associated with installations over green concrete. Cracks generated by substrate movement are not covered by the MAPEI warranty.

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 *Triblock P* [NA], including dirt, paint, tar, asphalt, wax, oil, grease, latex compounds, sealers, curing compounds, form-release agents, laitance, loose toppings, foreign substances and adhesive residue. Remove all loose concrete from the substrate to leave a dry or damp, porous, slightly rough surface with no contaminants from chemicals.
- Mechanically profile and prepare concrete surfaces by engineer-approved methods in accordance with the most current ICRI 310.2R guidelines to obtain a CSP of #3 to #4.
- The concrete substrate should be surface saturated-dry (SSD).
- Test the residual humidity of the concrete substrate before installing *Triblock P* [NA].
- Repair any concrete defects with an approved MAPEI repair mortar. Refer to the selected product's Technical Data Sheet (TDS) for mixing and installation instructions.
- Cracks should be open-groove with a V-shape at least 1/4" (6 mm) wide. Prime the crack with a mixture of *Triblock P* [NA] diluted with 2.5 U.S. qts. (2.37 L) of water. Fill the crack with *Triblock P* [NA] mixed with *MAPEI Quartz 60*.

MIXING

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

1. Pour Part A and Part B into a clean pail. Mix with a low-speed drill until the mixture shows a homogenous, uniform color. Do not overmix, and avoid trapping air in the resin.
2. Slowly add the Part C to the mixture and slowly mix to achieve a smooth, lump-free paste. Do not overmix.
3. If needed, add water to modify the fluidity depending on the type of application as listed below:

For brush application: Add 1.37 to 2.64 U.S. qts. (1.3 to 2.5 L) of water

For roller application: Add 2.64 U.S. qts. to 1.0 U.S. gal. (2.5 to 3.8 L) of water

For spray application: Add up to 1.32 U.S. gals. (5 L) of water

4. For a thicker consistency, mix with *MAPEI Quartz 35* or *MAPEI Quartz 60* at a weight ratio of 2 to 1 (*Triblock P* [NA] to quartz).

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Apply *Triblock P* [NA] in a minimum of two coats, either by brush, roller or spray.
2. Wait at least 4 to 6 hours before applying the second coat. The second coat should be applied in the opposite direction from the first coat to ensure proper filling of all pinholes.
3. For patching and smoothing surface irregularities, use a flat-edge trowel to apply a first coat of *Triblock P* [NA] mixed with silica sand. The second coat can be applied either by roller or spray.
4. An epoxy primer such as *Primer SN*TM [NA] can be applied after 24 hours. Do not exceed 7 days before applying the epoxy primer.

CLEANUP

- Use water to clean fresh *Triblock P* [NA] from tools. Hardened *Triblock P* [NA] can only be removed mechanically.

PROTECTION

- Protect fresh *Triblock P* [NA] from rain, water, dust and other contaminants for 24 hours.

LIMITATIONS

- Do not install over substrates containing asbestos.
- Do not apply on substrate with standing water.
- Do not install on unsound concrete.
- Do not apply over dynamic cracks.
- Protect fresh *Triblock P* [NA] from wind, direct sunlight and environmental factors that could prematurely dry the surface.

Product Performance Properties

Laboratory Tests	Results
Bond to concrete – ASTM 1583	> 435 psi (3.0 MPa) failure in the concrete
In-service temperature range	-31°F to 212°F (-35°C to 100°C)
Density	Part A: 1.0 g/cm ³ Part B: 1.3 g/cm ³ Part C: N/A
Viscosity	Part A: 1,800 cps Part B: 2,190 cps Part C: N/A
Solids content	Part A: 51% Part B: 60% Part C: 100%
VOC content (SCAQMD Rule 1113)	<100 g per L

Typical VOC content per SCAQMD Rule 1113 testing methods	3 g per L
--	-----------

Shelf Life and Product Characteristics

before mixing

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C)
Storage conditions	Store in a dry place at 50°F to 90°F (10°C to 32°C).
Physical state	Paste
Color	Part A: Clear Part B: White Part C: White
Consistency	Part A: Liquid Part B: Liquid Part C: Powder

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

Density	1.749 g/cm ³
Pot life	45 to 60 minutes
Viscosity	147 800 cps
Final set	7 days
Drying to the touch	4 to 6 hours
Ready for recoating	4 to 6 hours
Ready for foot traffic	24 hours
Ready for reapplication	24 hours (do not exceed 7 days)
Application temperature range	40°F to 95°F (5°C to 35°C)

CSI Division Classification

Epoxy Coatings	09 95 56

Packaging

Size
<u>For a yield of 4 U.S. gals. (15.1 L) undiluted</u>
Kit (2 parts) – 2 U.S. gals. (7.57 L):
Part A = 0.48 U.S. gal. (1.82 L)
Part B = 1.52 U.S. gals. (5.75 L)
Part C (sold separately) = 48.58 lbs. (22.0 kg)

Approximate Coverage*

per kit plus Part C

Thickness	Coverage
40 to 80 mils	49 to 25 sq. ft. per U.S. gal. (1.20 to 0.61 m ² per L)

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

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 (USA).

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.**

CONTACT INFORMATION

MAPEI Headquarters of North America

1144 East Newport Center Drive
Deerfield Beach, Florida 33442
1-888-US-MAPEI (1-888-876-2734) / (954) 246-8888

Technical Services

U.S. and Puerto Rico:

Flooring: 1-800-992-6273

Concrete and heavy construction: 1-888-365-0614

Canada:

1-800-361-9309

Customer Service

1-800-42-MAPEI (1-800-426-2734)

Edition Date: May 26, 2026 MK 3000554 (26-1815)

For the most current product data and BEST-BACKEDSM warranty information,
visit www.mapei.com.
All Rights Reserved. © 2026 MAPEI Corporation.

