Primer Selection & Usage Guide

Primer Selection By Application

Porous Surface Primers

- Vulkem® Primer # 171 – Urethane sealants, deck coatings, and TREMproof® membranes (Not for use in Canada).
- TREMprime® Silicone Porous Primer – Silicone sealants
- Tremco Primer #1 – Urethane sealants (Not for use in the United States).
- Deckline Primer – THC-900 and THC-901.
- TREMprime Multi-Surface Urethane Primer – Urethane coatings.

Non-Porous Surface Primers

- Tremco Silicone Metal Primer #10 – Silicone sealants.
- TREMprime Non-Porous Primer – Urethane sealants, coatings, and TREMproof membranes.

Urethane Tie-Ins

- Vulkem Primer # 191 (Not for use in Canada) / #191 Low-VOC – Urethane sealants, coatings, and TREMproof membranes.
- TREMprime Multi-Surface Urethane Primer – Urethane coatings.

Hot Applied Membrane Specific Primers

- TREMprime WB.
- TREMprime QD Low-Odor Primer.

General Application Guidelines - **Detailed instructions specific to each primer are listed below.**

Limitations

- Do not apply over contaminated or damp surfaces.
- Do not thin.

Packaging

Tremco Primers are available in multiple packaging options. Please contact Tremco Customer Service or your local Tremco Sales Representative.

Application

All surfaces must be sound, clean, dry and free from contamination. A thorough wire brushing, grinding, sandblasting or solvent cleaning may be required to expose clean, sound, virgin surfaces. All coverage rates listed are approximate and may differ depending upon texture of the substrate finish. Any questions regarding drying times, coverage rates and unique application techniques regarding the individual primers should be directed to Tremco Technical Services or your local Tremco Sales Representative.

Tremco Silicone Metal Primer #10

Usage: Non-porous surfaces, silicone sealants.
A one-component primer used to enhance adhesion of silicone sealants on non-porous surfaces such as metals and plastics. Tremco Silicone Metal Primer #10 is also approved for Structural Glazing applications.

- Apply with a clean brush or cloth. Remove all excess primer from brush or cloth to ensure a very thin layer is applied.
- Dry time is 15 minutes at 70ºF (21˚C). Primer must be completely dry before applying sealant.
- Silicone sealants can be applied up to 8 hours after primer has been applied. After 8 hours, the surface must be cleaned with IPA and reprimed with Tremco Silicone Metal Primer #10.
- Coverage Rate: 1400 - 1800 sq.ft./gal.

TREMprime WB

Usage: Porous and non-porous surfaces, TREMproof 6100, 6100BM and 6145.
High-solids, water-based primer for use in preparing porous and non-porous surfaces for application of TREMproof 6100, 6100BM and 6145.

- Apply with roller or airless spray equipment.
- Coverage Rate: Concrete: 150 - 300 sq. ft./gal.; Metal: 300 - 350 sq.ft./gal.

TREMprime Silicone Porous Primer

Usage: Porous surfaces, silicone sealants.
One-component primer used to enhance adhesion of silicone sealant to porous surfaces such as concrete and limestone.

- Apply generously with a clean brush or cloth.
- Dry time is 30-45 minutes at 70ºF (21˚C). Primer must be completely dry before applying sealant.
- Silicone sealants can be applied up to 8 hours after primer has been applied. After 8 hours, the surface must be cleaned with IPA and reprimed with TREMprime Silicone Porous Primer.
- Coverage Rate: 500 - 600 sq.ft./gal.; 9600 ln.ft./gal - 1/2 in. band.

Tremco Primer #1 (Not for use in the United States)

Usage: Porous surfaces, urethane sealants (Dymonic, Dymonic FC, Dymeric 240, Dymeric 240FC).
Quick-drying, one-part, moisture-curing primer used as an adhesion promoter for urethane sealants on porous surfaces such as concrete and wood.

- Apply generously with a clean brush or cloth.
- At 70ºF (21˚C), allow 30-45 minutes for primer to become tacky before applying sealant. Do not allow primer to dry completely. The tackiness window is approximately 2-4 hours depending on temperatures and wind speeds.
- Primed areas should be sealed the same day the primer was applied.
- Coverage Rate: 100 - 600 sq.ft./gal.

TREMprime Non-Porous Primer

Usage: Non-porous surfaces, urethane sealants and coatings.
A low-VOC, water-based, quick-drying, one-part primer. TREMprime Non-Porous Primer is not a film-forming primer. It is used as an adhesion promoter for urethane sealants and coatings on non-porous surfaces such as metals and plastics.

- Apply with a clean cloth. Remove all excess primer from cloth to ensure a very thin layer is applied.
- Dry time is 15 minutes at 70ºF (21˚C). Primer must be completely dry before applying sealant or coating.
- Urethane sealants and coatings can be applied up to 8 hours after primer has been applied. After 8 hours, the surface must be cleaned with a Tremco approved solvent and reprimed with TREMprime Non-Porous Primer.
- Coverage Rate: 1400 - 1800 sq.ft./gal.

Vulkem Primer # 171 (Not for use in Canada and OTC states)

Usage: Porous surfaces, urethane sealants, Vulkem Coating Systems and TREMproof membranes.
Quick-drying, one-part, moisture-curing primer. It is used as an adhesion promoter for Vulkem brand urethane sealants and coatings and TREMproof membranes on porous surfaces such as concrete and wood.

- Apply generously with a clean brush or roller. Do not apply in excess where it will puddle or pond.
- At 70ºF (21˚C), allow 30-45 minutes for primer to become tacky before applying sealant, coating or membrane. Do not allow primer to dry completely.
- Do not apply sealant or coating if primer becomes hard or glossy. If it does, clean with a Tremco approved solvent and coat with Vulkem Primer No. 191.
- Coverage Rate: 100 - 600 sq.ft./gal.

TREMprime Multi-Surface Urethane Primer

Usage: Porous surfaces, interlaminary, urethane coatings.
Low-VOC (<60 g/L), two-part epoxy primer used to condition and prep porous surfaces and existing coatings for application of a new coating layer.

- Apply with a short nap roller or brush evenly to the surface.
- Primer must dry completely before coating application as indicated by turning from milky-white to completely clear.
- Coverage Rate: 200 - 300 sq. ft./gal.

Vulkem Primer # 191 (Not for use in Canada)

Usage: Urethane sealants, coatings and TREMproof membranes. It is used to prepare surfaces of cured urethane sealants, coatings and TREMproof membranes that will be sealed with a fresh coat.

- Apply with a clean brush or roller. Do not apply in excess or allow to puddle. Use a short nap roller only.
- Dry time is 15-45 minutes at 70°F (21˚C). Apply coating or sealant within one hour after application when primer is still tacky but does not come off substrate. Primer will yellow with time if left exposed. Do not apply in excess to other substrates not intended to be coated.
- Do not apply sealant or coating if primer becomes hard or glossy. If it does, clean with a Tremco approved solvent and reprime with Vulkem Primer #191.
- Coverage Rate: 450 - 600 sq.ft./gal.

Vulkem Primer # 191 Low-VOC

Usage: Porous surfaces, interlaminary, urethane sealants, coatings and TREMproof membranes. It is used to prepare surfaces of cured urethane sealants, coatings and TREMproof membranes that will be sealed with a fresh coat.

- Apply with a clean brush or roller. Do not apply in excess or allow to puddle. Use a short nap roller only.
- Dry time is 30-45 minutes at 70°F (21˚C). Apply coating or sealant within 3-5 hours after application when primer is still tacky but does not come off substrate. Primer will yellow with time if left exposed. Do not apply in excess to other substrates not intended to be coated.
- Do not apply sealant or coating if primer becomes hard or glossy. If it does, clean with a Tremco approved solvent and reprime with Vulkem Primer #191 Low-VOC.
- Coverage Rate: 400 - 450 sq.ft./gal. for interlaminary applications.
- VOC-compliant.

Deckline Primer

Usage: Porous surfaces, THC-900 and THC-901.
Single-component, moisture-curing primer. It is used as an adhesion promoter for horizontal applications of THC-900 and THC-901 on porous surfaces such as concrete.

- Apply generously with a clean brush.
- Dry time is 1-2 hours at 70ºF (21˚). Primer must be dry to the touch prior to application of the sealant.
- THC-900 and THC-901 can be applied up to 48-72 hours after primer has been applied, depending on temperature.
- Coverage Rate: 200 - 250 sq.ft./gal.

TREMprime QD Low-Odor Primer

Usage: Porous and non-porous surfaces, TREMproof 6100, and 6145.
High-solids, solvent-based modified bituminous roofing primer for use in preparing porous and non-porous surfaces for application of TREMproof 6100 and 6145.

- Coverage Rate: Concrete: 150 - 300 sq.ft./gal.;
  Metal: 300 - 350 sq.ft./gal.

Warranty

Tremco warrants its Products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or refund the purchase of the quantity of Tremco Products proven to be defective and Tremco shall not be liable for any loss or damage.

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

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