

## 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

- TREMprime Silicone Metal Primer – Silicone sealants
- TREMprime Non-Porous Primer – Urethane sealants, coatings, and TREMproof membranes

#### Urethane Tie-Ins

- Vulkem Primer # 191 and # 191 Low-VOC (both are not for use in Canada) and Vulkem #191 QD (Canada and Florida only) – Urethane sealants, coatings, and TREMproof membranes
- TREMprime Multi-Surface Urethane Primer – Urethane coatings
- Tremco Epoxy Primer – Below-grade waterproofing and urethane deck coatings to air barrier systems

#### Hot Applied Membrane Specific Primers

- TREMprime WB
- TREMprime QD Low-Odor Primer
- TREMprime HR 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 for details.

##### 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.

#### TREMprime Silicone Metal Primer

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. TREMprime Silicone Metal Primer is also approved for structural glazing applications.

- Clear, resinous appearance when dry.
- 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 min at 70 °F (21 °C). Primer must be completely dry before applying sealant.
- Silicone sealants can be applied up to 6 hr after primer has been applied. After 6 hr, the surface must be cleaned with IPA and reprimed with TREMprime Silicone Metal Primer.
- Coverage Rate: 1,400 to 1,800 ft<sup>2</sup>/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 to 300 ft<sup>2</sup>/gal; Metal: 300 to 350 ft<sup>2</sup>/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 to 45 min at 70 °F (21 °C). Primer must be completely dry before applying sealant.
- Silicone sealants can be applied up to 8 hr after primer has been applied. After 8 hr, the surface must be cleaned with IPA and reprimed with TREMprime Silicone Porous Primer.
- Coverage Rate: 500 to 600 ft<sup>2</sup>/gal or 9,600 ft/gal (1/2" wide 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 70 °F (21 °C), allow 30 to 45 min for primer to become tacky before applying sealant. Do not allow primer to dry completely. The tackiness window is approximately 2 to 4 hr depending on temperatures and wind speeds.
- Primed areas should be sealed the same day the primer was applied.
- Coverage Rate: 100 to 600 ft<sup>2</sup>/gal

## **TREMprime Non-Porous Primer**

Usage: Non-porous surfaces, urethane sealants and acrylic 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 acrylic 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 min at 70 °F (21 °C). Primer must be completely dry and produce a tacky surface before applying sealant or coating.
- Urethane sealants and acrylic coatings can be applied up to 8 hr after primer has been applied. After 8 hr, the surface must be cleaned with a Tremco approved solvent and reprimed with TREMprime Non-Porous Primer.
- Coverage Rate: 1,400 to 1,800 ft<sup>2</sup>/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 70 °F (21 °C), allow 30 to 45 min 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 to 600 ft<sup>2</sup>/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 to 300 ft<sup>2</sup>/gal

## **Vulkem Primer #191 QD**

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 15 to 30 min at 70 °F (21 °C). Apply coating or sealant within 1 to 2 hr 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 QD.
- Coverage Rate: 400 to 450 ft<sup>2</sup>/gal for interlaminary applications.
- VOC-compliant.

## **Vulkem Primer # 191 Low-VOC** (Not for use in Canada)

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 to 45 min at 70 °F (21 °C). Apply coating or sealant within 3 to 5 hr 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 to 450 ft<sup>2</sup>/gal for interlaminary applications
- VOC-compliant

## 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 to 45 min 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 to 600 ft<sup>2</sup>/gal

## 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 to 2 hr at 70 °F (21 °C). Primer must be dry to the touch prior to application of the sealant.
- THC-900 and THC-901 can be applied up to 48 to 72 hr after primer has been applied, depending on temperature.
- Coverage Rate: 200 to 250 ft<sup>2</sup>/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 to 300 ft<sup>2</sup>/gal;  
Metal: 300 to 350 ft<sup>2</sup>/gal

## TREMprime HR Primer

Usage: Porous and non-porous surfaces for application of Tremco hot-applied asphaltic fluids.

Solvent-based modified bituminous primer promotes adhesion of Tremco asphaltic hot-applied fluids such as TREMproof 6100, TREMproof 6100BM and TREMproof 6145. Can be used on a variety of surfaces, such as concrete, masonry and metal.

- Apply using brush, short-nap roller or airless spray system.
- Coverage Rate: 200 to 400 ft<sup>2</sup>/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](http://www.tremcosealants.com) for the most up-to-date Product Data Sheets.

