



TECHNICAL DATA SHEET

PRIMER SELECTION & USAGE GUIDE

Primer Selection by Application

PRODUCT DESCRIPTION

Porous Surface Primers

Vulkem® Primer #171 – Urethane sealants, deck coatings, and TREMproof® membranes (Not for use in Canada)

Vulkem 191 Primer- Urethane sealants, deck coatings and TREMproof membranes

TREMprime® Silicone Porous Primer – Silicone sealants

TREMprime Multi-Surface Urethane Primer – Urethane coatings

TREMprime VB Primer – Vulkem coatings, urethane and PUMA technology

Non-Porous Surface Primers

TREMprime Silicone Metal Primer – Silicone sealants

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

Urethane Tie-Ins

Vulkem 191 Primer – 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

Self-Adhered Air Barrier Membrane Primer

ExoAir Primer

General Application Guidelines

Detailed instructions specific to each primer are listed below.

Tremco 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. Tremco Silicone Metal Primer is also approved for Structural Glazing applications. 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 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 Tremco Silicone Metal Primer.

Coverage Rate: 1400 to 1800 ft²/gal

Packaging: 1-pt (473-mL) can

TREMprime WB

Usage: Porous and non-porous surfaces, TREMproof 6100 and 6100BM 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 ft²/gal; Metal: 300 to 350 ft²/gal

Packaging: 5-gal (18.9- L) pails

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 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 ft²/gal.; 9600 ft/gal (1/2" wide band)

Packaging: 1-pt (473-mL) can

TREMprime Non-Porous Primer

Usage: Non-porous surfaces and urethane sealants. 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 min at 70 °F (21°C). Primer must be completely dry before applying sealant or coating. Urethane sealants and 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: 1400 to 1800 ft²/gal

Packaging: 1-qt (946-mL) can
1-gal (3.8-L) pails

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 191 Primer.

Coverage Rate: 100 to 600 ft²/gal

Packaging: 1-qt (946-mL) can
1-gal (3.8-L) pails
5-gal (18.9-L) pails

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 ft²/gal

Packaging: 3-gal (11.4- L) kits:
Part A: 2-gal (7.6 L) can
Part B: 1-gal (3.8 L) can

Vulkem 191 Primer

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 25 to 45 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 191 Primer.

Coverage Rate: 400 to 450 ft²/gal for interlaminary applications. VOC-compliant.

Packaging: 1-qt (946-mL) can
1-gal (3.8-L) pails
5-gal (18.9-L) pails

TREMprime VB

Usage: Two-component, epoxy-based, solvent-free vapor barrier primer for mitigating vapor drive caused by moisture in concrete for use with our Vulkem coatings, including Vulkem EWS.

Coverage Rate: For concrete RH of 88% or above, two coats of TREMprime VB are required.
When applied in one coat, 1 gal / 100 sq. ft. (16 mils).
When applied in two coats, 1 gal / 100 sq. ft. (16 mils) each, 20-40 mesh silica sand broadcast into second coat until refusal.

Packaging: 3.6-gal (13.6-L) kits:
Part A - 2.4-gal (9.08 L) pail
Part B - 1.2-gal (4.54 L) pail

TREMprime QD Low-Odor Primer

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

Coverage Rate: Concrete: 150 to 300 ft²/gal; Metal: 300 to 350 ft²/gal

Packaging: 5-gal (18.9- L) pails

ExoAir Primer

Usage: ExoAir Primer is specifically formulated for use with the ExoAir membranes. It can be used on porous and non-porous substrates. Surfaces to be primed should be dry, clean, smooth, firm, free of dust, mud, loose mortar, or any other substance that may prevent placement and bonding of the ExoAir membrane. Allow the ExoAir Primer to develop a tack, non-transferrable film (typically 15 to 30 min) prior to installing any membrane. Prime only those surfaces that will be completed that day.

Coverage Rate: Approximately 250 ft²/gal (6 m²/L), depending on porosity and texture of substrate.

Packaging: 5-gal (18.9- L) pails

Color: Green

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 and TREMproof 6100BM. It is a multi-purpose primer and can be used on a variety of surfaces, such as concrete, masonry, metal, gypsum, and new or weathered bituminous surfaces. Apply using a brush, short nap roller or airless spray system.

Coverage Rate: 200 to 400 ft²/gal

Packaging: 5-gal (18.9- L) pails

AVAILABILITY

Immediately available through Tremco distributors throughout the United States, Canada and overseas.

COVERAGE RATES

All coverage rates listed are approximate and may differ depending upon texture of the substrate finish.

COLORS

Colors of the primers will vary depending on primer.

FIRE RATED SYSTEMS

- None presently listed. For firestop engineering judgement requests please visit www.tremcosealants.com or contact Tremco Technical Services at 866-209-2404.

LIMITATIONS

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

WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit <https://www.tremcosealants.com/warranties/> for details.

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

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

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