

Primeseal 1

Epoxy Primer / Sealer

Description

Primeseal 1 is a black water-based epoxy primer/sealer designed to increase the bond of KM Coatings acrylic elastomeric coatings and spray polyurethane foam to a wide variety of roofing substrates. It develops a tenacious bond to wood, concrete, fiberglass, steel, aluminum, and galvanized surfaces.

Uses

Primeseal 1 is effective for increasing the adhesion on existing smooth surfaced modified and built-up roofing substrates prior to protective coating applications.

Primeseal 1 is utilized as a primer beneath sprayed-in-place polyurethane foam roofing. The ability of the black surface to absorb the sun's radiant heat helps achieve the maximum yield of the sprayed polyurethane. Primeseal 1 must always be topcoated within 48 hours to ensure optimal adhesion.

Standard Colors

Black

Typical Physical Properties

1. **Weight per Gal (lb)** 8.3 (± 0.5), **ASTM D2939**
2. **Volume Solids (%)** 13% (± 2), **ASTM D2697**
3. **Weight Solids (%)** 15% (± 2), **ASTM D1644**
4. **VOC:** <30 gm/L, **Std Method**

Packaging

5GA pail, 55GA drum

Warranty

KM Coatings manufactures a variety of fluid-applied materials to suit various project needs and offers extended manufacturer's warranties to its Approved Applicator network. Warranty type, Terms and Conditions, as well as coverages, will depend on product(s) utilized and project circumstances under which materials are used. Unless otherwise provided for as part of an extended manufacturer's warranty, Product Liability is strictly limited to manufacturing defects for a period of one year.



Application Instructions

Surface Preparation:

All surfaces shall be clean and free of dirt, dust, grease, oil, or any other foreign contaminants. On new concrete roofing substrates, the surface shall not contain any curing compounds, form releases agents or laitance materials prior to the application of the product. If these conditions exist, do not apply primer until all compounds have been removed. Mechanical abrasion may be necessary in preparation of the surface.

When applying Primeseal 1 over fiberglass surfaces, it is recommended to scuff-sand the area prior to priming. Metal and steel surfaces shall always be free of rust or oily residues. Existing built-up and sprayed polyurethane foam roofing substrates shall be pressure washed cleaned to ensure all surface oxidation is removed. Always rinse thoroughly with clean water to ensure no traces of cleaner residue is left on the surface, and allow to dry.

Application:

Primeseal 1 requires no thinning and can be applied by utilizing brush, roller, and conventional/airless spray equipment. When applying the product with brush or rollers, ensure material is kept to a thin application rate as it is not intended nor designed for high film build applications. Coverage rates will always vary depending upon surface porosity, and type of substrate being primed. The following are approximate application rates only:

Wood: 300 sq. ft. per gallon

Concrete: 250-300 sq. ft. per gallon

Fiberglass: 300-400 sq. ft. per gallon

Metal: 300-400 sq. ft. per gallon

Recoats: 350-450 sq. ft. per gallon

For projects subject to unusual application conditions, consult KM Coatings' technical department for recommendations.

Dry Time To Touch: 30 minutes @ 75°F

Cure Time: 8 hours @ 75°F

Recoating: Time will vary from 2-8 hours depending upon ambient conditions.



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Personal Protection

Irritation may result from prolonged or repeated contact with skin.

Wear chemical resistant gloves, protective goggles and protective clothing, if needed.

Eye Contact — Immediately flush eyes with water. Get medical attention if irritation persists.

Waste Disposal — Empty containers must be disposed of in accordance with local, state and federal regulations.

For Professional Use Only — Keep out of the reach of children.

Storage and Cleaning

Product shelf life: Typically 12 months from date of manufacture when properly stored.

Do not store at temperatures greater than 120°F.

Store 24 hours at room temperature prior to application.

Observe normal safeguards for storing and handling of this product prior to and during application.

Do not allow product to freeze. Discard if any degree of freezing would occur.

Keep containers covered when not in use.

Clean equipment and overspray with water.

Clean hands with waterless hand cleaner.

Spray Equipment

Primeseal 1 can be applied by conventional airless spray equipment designed for the purposes of field application of fluids, paints and coatings. The following minimums are recommended:

Pump: 1 gal/min output; 2,000 psi

Gun/Tip: Airless hand gun with 30 mesh screen.

Reversible tip with orifice sizes ranging from .015-.027 and a fan angle of 40° or 50°.

Hose: Minimum inside diameter of high pressure nylon hose of 3/8" to 75'; 1/2" to 200'.

Refer to equipment manufacturer product guidelines.

KM Coatings

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Refer to SDS for specific data and handling of our products.

All data furnished refers to standard production using manufacturing testing tolerances. The product user, and not KM Coatings, is responsible for determining the suitability and compatibility of our products for the user's intended use.