

Min-Prime

Water-Based Primer / Adhesive

Description

Min-Prime is a low-VOC, stain blocking acrylic primer used to enhance the adhesion of acrylic roof coatings to a variety of substrates. The thin solution penetrates pores and dries quickly.

Uses

Suitable for use over substrates such as modified bitumen, granulated cap sheets, masonry, BUR, wood, concrete or previously coated surfaces. Contact KM Coatings Technical Services for other substrates and conditions not listed.

Designed for use as a surface primer for both horizontal and vertical surfaces.

Promotes enhanced adhesion of acrylic elastomeric materials.

Can also be used to penetrate and adhere reinforcement fabrics when required.

Standard Color

Electric Blue

Typical Physical Properties

1. **Weight/gal (lb)** 9 (± 0.5), ASTM D2939
2. **Weight Solids (%)** 41 (± 1), ASTM D1683
3. **Flash Point (°F)** >212, PMCC
4. **VOC:** <50 gm/L
5. **Viscosity (cP)** 10,000–18,000, ASTM D2196
6. **Viscosity (ku)** 80.00–90.00, ASTM D562

Codes and Standards

Florida Building Code



Packaging

5GA pail



Application Instructions

Surface Preparation:

Surfaces to receive primer must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could adversely affect the primer to surface adhesion.

Min-Prime can enhance adhesion to most surfaces. However, do not apply to wet or visibly damp surfaces, or surfaces previously covered with coal tar based products or silicone finishes. If there are questions with regards to substrate suitability, please contact KM Coatings Technical Services.

Check all flashings, edges, drains, valleys and vents, and repair as needed.

Application:

Mix well prior to application.

Application Rate: Apply approximately 1 gal. per 100–300 sq. ft. for most applications. Actual rate may vary depending on product application and surface conditions.

Min-Prime may be applied by high-pressure and low-pressure spray equipment. Smaller work areas can be accomplished with medium nap roller or a brush.

To improve adhesion, allow drying until dry to the touch. Drying times will vary depending on application rate, porosity of surface, temperature and humidity. Maximum wait time from initial application is 12 hours. Do not apply if there is a threat of inclement weather or contaminants that would affect adhesion of subsequent products.

When utilizing Min-Prime to embed reinforcing fabric, first apply Min-Prime to a small section of the roof where the fabric reinforcement will begin. Embed and encapsulate the end of the fabric roll so that it is anchored at that point. Roll out approximately 4 feet of fabric at a time and apply Min-Prime evenly over the top side at the rate of 2 to 3 gallons per 100 sq. ft. allowing the fabric to completely saturate and follow the surface form and features.

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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

Shelf life is 18 months if stored in original unopened containers.

All containers should be sealed when not in use.

Keep from freezing.

Store between 40°F and 100°F

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

Clean equipment and overspray with water.

Clean hands with waterless hand cleaner.

Application tools and equipment can be cleaned with lukewarm water and soap, followed by a rinse of isopropanol, acetone, or Simple Green™. Recirculate through lines and gun until residual coating is removed.

DO NOT USE MINERAL SPIRITS, XYLENE, TOLUENE, OR VMP & NAPHTHA SOLVENTS.

Spray Equipment

Min-Prime 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: 1.6 gal/min output; 2,500 psi

Gun/Tip: Airless hand gun. Reversible tip with orifice sizes ranging from .019-.025 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'. For any hose over 200', the inside diameter should be 5/8" to 3/4".

Refer to equipment manufacturer product guidelines.

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.

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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.