

### Description

KM 1P is a water-based, one-part primer/bleed blocker that enhances the adhesion of KM silicone roof coatings to a variety of porous and non-porous substrates.

### Uses

Enhances the adhesion of PS #220 and PS #250 silicone roof coatings to galvanized steel, aluminum, granulated modified bitumen membranes, wood and masonry.

Excellent Alkali resistance.

Rain resistant after 3 hours.

Contact KM Coatings Technical Services for clarification of unusual surfaces or project conditions.

### Packaging

5GA pail

55GA drum

### Typical Physical Properties

1. **Viscosity (cP)** 11,000, Brookfield® 4d/5 RPM/77°F
2. **Weight/gal (lb)** 9.3, ASTM D2939
3. **Weight Solids (%)** 48, ASTM D1644
4. **Volume Solids (%)** 44, ASTM D2697
5. **VOC (gm/L)** <10, Calculated

### Standard Color

Mint Green



### Application Instructions

#### Surface Preparation:

All surfaces to receive coating must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit the adhesion capabilities of the newly installed products.

Metal surfaces that display rusting or other oxidation, to be prepared with a grinder or wire brush as needed to remove surface contaminants.

Existing roof systems to be visually inspected for conditions that may adversely affect adhesion or performance of newly installed products. Repair any visible deficiencies such as splitting blistering and buckling with KM Acrylicalk, KM Brush-It Acrylicalk or KM1213 Elastomeric Mastic and Prime Polymesh or T272.

Visually inspect all metal and non-metal flashings, edges, drains, valleys and through-roof penetrations and repair as needed by project conditions.

Do not apply to wet or visibly damp surfaces, surfaces previously covered with coal tar based products or Kynar® finishes.

Concrete surfaces cured with wax/resin based compounds can inhibit adhesion.

#### Application:

Mix well prior to application.

Application rates vary:

|                                  |                         |
|----------------------------------|-------------------------|
| Galvanized Steel                 | ½ gallon per square     |
| Aluminum                         | ½ gallon per square     |
| Bituminous, granulated membranes | ⅔ – 1 gallon per square |
| Wood                             | ½ – ⅔ gallon per square |
| Concrete / Masonry               | ½ – ⅔ gallon per square |

KM 1P may be applied by high pressure spray equipment. Smaller work areas can be accomplished with medium nap roller or a brush.

Product which is applied heavier than recommended will affect performance detrimentally.

To improve adhesion, allow to dry for 12 hours. Drying times will vary depending on application rate, porosity of surface, temperature and humidity. Maximum wait time for initial application is 72 hours. Do not apply if there is a threat of inclement weather or contaminants that would affect adhesion of subsequent products.

If product is rained on after the allowable 3 hours, let dry prior to applying silicone.

Minimum application temperature is 45°F as long as this is 5°F above the dew point. Maximum application temperature is 120°F.

### Personal Protection

Irritation may result from prolonged or repeated contact with skin. Wear chemical resistant gloves, protective goggles and protective clothing, if needed.

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**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 18 months from date of manufacture when properly stored.

Do not store at temperatures greater than 120°F.

Store 24 hrs 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 over spray with water.

Clean hands with waterless hand cleaner.

### Spray Equipment

KM 1P can be applied by conventional airless spray equipment designed for the purpose of field application of fluids, paints and coatings. Back rolling the primer/bleed blocker is required when the product is sprayed. 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 0.19—0.25 and a fan angle of 40° or 50°.

**Hose:** Minimum inside diameter of high pressure nylon hose of  $\frac{3}{8}$ " to 100'; for any hose over 200' the inside diameter should be  $\frac{1}{2}$ ".

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.

### 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.

**For most current product data and warranty information, visit: [www.kmcoatings.us](http://www.kmcoatings.us)**