KEMPERTEC® R PRIMER

Quick-Cure Polyurethane Primer

PRODUCT DESCRIPTION

KEMPERTEC® R Primer is a quick-cure, low VOC, high bonding primer used between acceptable prepared substrates and KEMPEROL® cold liquid-applied reinforced membrane and coating systems.

COMPOSITION & MATERIALS

KEMPERTEC® R Primer is a solvent-free, odor-free, high solids, 2-part, polyurethane based primer.

Work Pack includes: *Component A: Base Resin, Component B: Hardener*

USE

KEMPERTEC® R Primer is used to prime a wide range of substrates including modified bitumen roofing, coated-glass faced high density polyiso cover board, plywood, steel, galvanized steel, aluminum, lead, copper, zinc, glass and other substrates. Please refer to the Substrate Primer Selection Table for a complete list. KEMPEROL® membrane must be applied to primer within 7 days of primer application. Primer exposed for more than 7 days must be re-primed in accordance with the Technical Department requirements.

PRODUCT INFORMATION	
Color	Translucent / Amber
Physical State	Cures to solid
Application Temperature*	41 °F (5 °C) & rising
Usage Time*	5-10 minutes
Rainproof After*	2 hours
Cures After*	3 hours
Apply Membrane / Coating after*	3 hours

*Values obtained at 73°F, 50% relative humidity, may vary depending upon air flow, humidity, & temperature.

SUSTAINABILITY INFORMATION	
% Bio-Based Material	54%
Recycled Content % (post / pre)	0 / 0
Manufacture Location	Buffalo, NY

CODES & APPROVALS

USDA CERTIFIED BIOBASED PRODUCT PRODUCT 54%

FM APPROVED

PROPERTIES		
PHYSICAL PROPERTY	**TEST METHOD**	**VALUE**
VOC Content	Method 24	3 g/L

ORDERING INFORMATION

KEMPERTEC® R Primer work pack:

Item#:	Size:
326-00-010	0.25 US gal (0.95 L) • 1.0 kg
326-00-033	0.75 US gal (2.85 L) • 3.0 kg

YIELD

25 ft^2 (2.3 m^2) per 1 kg.

NOTE: All yields are approximate and may vary depending upon smoothness and absorbency of substrate.

STORAGE

Review Safety Data Sheets before handling, available online at www.kempersystem.com. Always store in cool and dry location. Do not store in direct sunlight or in temperatures below 50 °F (10 °C) or above 80 °F (27 °C). Approximate shelf life 12 months with proper storage. For best use, 24 hours before application, the material is to be acclimated at temperatures between 65-70 °F (18-21 °C).

SURFACE PREPARATION

All surfaces must be free from gross irregularities, loose, unsound or foreign material such as dirt, ice, snow, water, grease, oil, release agents, lacquers, or any other condition that would be detrimental to adhesion of the primer and substrate. This requires careful preparation of existing horizontal and vertical substrates; cracks are filled, expansion joints are prepared, flashings are removed or modified, and termination points are determined. Substrates and penetrations are prepared to SSPC-SP3 standards, and may require scarifying, sandblasting, or grinding in some cases to achieve a suitable substrate. KEMPERTEC® R Primer may be applied when the substrate temperature is a minimum of 5 °F (3 °C) above the dew point.

NOTE: Prior to opening containers, wear appropriate safety glasses and protect hands and wrists by wearing long sleeves and gloves.

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MIXING OF PRIMER

For the Aluminum Sachet packings, open the aluminum bag and remove the inner clear bag. Knead cream-colored resin, Component A, thoroughly until a uniform color is achieved. Pull away the rubber cord separating the two components so that Components A and B can be mixed. Knead the bag quickly and thoroughly for approximately 1 minute so that a uniform color is formed. For the 3 KG unit, premix Component A thoroughly with a spiral agitator, until the liquid is a uniform color, with no streaks present. Pour Component B into Component A and mix the components for approximately 2 minutes with a spiral agitator on low speed without creating any bubbles. The primer should be a uniform color, with no light or dark streaks present. *NOTE: KEMPERTEC® R primer is extremely quick-curing. Apply immediately after mixing.*

APPLICATION

After mixing, apply the primer at the recommended coverage rate with a roller or brush evenly onto the surface in a cross directional method, or utilizing the pour and spread method to fully cover the substrate. Depending upon smoothness and absorbency of the substrate, primer application rate may require an adjustment or multiple coats to achieve proper pore saturation and full encapsulation. A slurry may be created with the primer for adjusting slope to drain and to address localized drainage deficiencies. Patching / Leveling Surfacing Sand #0 / 18 (0.5 – 1.2 mm) can be mixed with the primer to create a slurry. *NOTE: KEMPEROL® membrane may be applied when the primer is completely cured and without tack. Do not apply KEMPEROL® membrane to tacky or wet primer.*

DISPOSAL

Cured KEMPERTEC® R Primer may be disposed of in standard landfills. This is accomplished by thoroughly mixing all components. Uncured KEMPERTEC® R Primer must be disposed of in accordance with local, state and federal regulations. Do not throw uncured primer away.

DISCLAIMER

NO WARRANTY, EXPRESS OR IMPLIED, IS MADE IN THIS DOCUMENT. THE PRODUCT IS NOT CLAIMED TO BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. User and certified Kemper System America, Inc. (KSA) applicators determine suitability only. See individual KSA product data sheets, SDS sheets, guide specifications and details for complete information regarding the suitability, application, and handling of KSA products.

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