KEMPEROL® 2K-PUR

Work pack includes:
Component A: Cream Formulation, Component B: Dark Brown Formulation

Product Description
KEMPEROL® 2K-PUR is a two-component, UV-stable, “odor-free,” solvent free, Low VOC, high performance cold liquid-applied waterproofing and roofing resin.

KEMPEROL® 2K-PUR reinforced membrane system can be surfaced with traffic coatings, reflective coatings, aggregate surfacing coatings and other granular materials to achieve a desired function and appearance.

Composition & Materials
A monolithic membrane is created in the field by combining the KEMPEROL® 2K-PUR two-part, cold liquid-applied reactive-cure polyurethane resin with KEMPEROL® polyester reinforcing fleece. Membrane may be applied using standard fleece available in 4, 8, 10, 13, 20, 27, and 41-inch nominal widths.

Use
KEMPEROL® 2K-PUR membrane is suitable for a wide range of interior and exterior applications including roofs, plazas, planters, foundations, mechanical rooms and other waterproofing applications.

Limitations
Interior or exterior applications of KEMPEROL® 2K-PUR membrane exposed to UV-light may yellow or discolor. Use of a coating or aggregate surfacing systems are recommended where color-fast applications are required.

KEMPEROL® 2K-PUR may be applied when the ambient temperature is 41 °F (5 °C) and rising, and the substrate temperature is a minimum of 5 degrees above the dew point. The maximum application temperature is approximately 90 °F (32 °C).

Note: Viscosity increases with falling temperature. For temperatures below 50 °F (10 °C), KEMPEROL® A 2K-PUR Accelerator should be added to component A to reduce set time.

Yield
Using 165 Fleece: 38 ft² (3.53 m²) per 12.5 kg work pack.
Using 120 Fleece: 45 ft² (4.20 m²) per 12.5 kg workpack.

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

Storage
Always store in cool and dry location. Do not store in direct sunlight or in temperatures below 35 °F (1.7 °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).

Precautions
Review Safety Data Sheets before handling, available online at kempersystem.net.

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 membrane. 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 rigorous industry standards, and may require scarifying, sandblasting or grinding in some cases to achieve a suitable substrate.

Priming
After substrate preparation, temporary watertightness may be achieved with the application of KEMPERTEC® D Primer or EP Primer and temporary joint filler. Alternatively, the use of quick-dry KEMPERTEC® R or EPS Primer may allow same-day membrane application. Refer to the appropriate KEMPERTEC® primer data sheet for application instructions.

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Mixing of Resin

**Application (165 Fleece)**

**Step 1:** Mix resin Component A (cream formulation) with a spiral agitator until the liquid is a uniform cream color.

**Step 2:** If the ambient temperature is below 50°F (10°C), A2K-PUR Accelerator, a cold weather additive, should be mixed into the Component A. The accelerator should be mixed with the spiral agitator for 2 minutes or until both liquids are thoroughly blended.

**Step 3:** Add hardener Component B (dark brown formulation) to Component A and mix with a spiral agitator for 2 minutes or until both liquids are thoroughly blended.

**NOTE:** DO NOT break down workpacks into smaller quantities – mix the entire workpack.

**Surfacing**

KEMPEROL® 2K-PUR Membrane accepts a wide variety of KEMPERDUR® topcoats and aggregate surfacings for aesthetic or mechanical wear. The KEMPEROL® 2K-PUR membrane must be surfaced within 16-48 hours of membrane application to ensure proper bond between the membrane and surfacing. After the 48 hour window the membrane will require surface abrasion.

Disposal

Cured 2K-PUR resin may be disposed of in standard landfills. This is accomplished by thoroughly mixing all components. Note: Uncured 2K-PUR resin is considered a hazardous material and must be handled as such, in accordance with local, state and federal regulations. Do not throw uncured resin away.

Ordering Information

KEMPEROL® 2K-PUR Work pack:

- Item#: 327-47-025 0.51 US GAL (1.93L) • 2.5 kg
- Item#: 327-47-055 1.03 US GAL (3.90L) • 5.0 kg
- Item#: 327-47-105 2.41 US GAL (9.12L) • 12.5 kg

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