

PRODUCT DESCRIPTION

DEK-Guard[™] DEK-650 Flexible Membrane is a 100% reactive hybrid blend of urethane acrylate and methyl methacrylate (MMA) designed to cure in an hour. DEK-650 is designed to be used in conjunction with the DEK-Guard coating system. DEK-650 exhibits high strength and high elasticity; properties essential for bridging cracks in concrete substrates. DEK-650 can only be applied over substrates that have been properly prepared and primed according to Res-Tek's specifications.

TYPICAL USES

DEK-Guard DEK-650 Flexible Membrane is the most vital component of the DEK-Guard coating system. It provides the flexibility and elongation required to protect concrete structures from temperature fluctuations and vibrations and allows for natural movement to occur without cracking.

PHYSICAL CHARACTERISTICS

Viscosity (ASTM D2196, cPs): 400

Density (ASTM D1475, lbs/gal.): 8.05

Tensile Strength (ASTM D638, psi): 360

Elongation at Break (ASTM D638, %): 450%

Pot Life: 15-20 minutes

Cure Time: 35-60 minutes

Shelf Life: Minimum 1 year from ship date (unopened)

DOT Classification: Flammable Liquid, Class 3, UN1866

PROPERTIES

- Excellent bonding capabilities – achieves a chemical bond to other DEK-Guard system components.
- High film build capability- makes for easy application with a roller, brush, or notched squeegee.
- UV resistant for indoor or outdoor application.
- Cures fast — under one hour.
- Cures at a wide range of temperatures (-15°F - 90°F).
- 100% reactive — VOC compliant.
- Seamless repairability — achieves a chemical bond with itself and other DEK-Guard components creating a monolithic system.
- Vapor impermeable.

SURFACE PREPARATION

No additional surface preparation is required if applied immediately following the application of the previous coat. If following a different application schedule, please contact your Res-Tek representative.

RES-TEK INC.

**110 Riverside Drive
Cartersville, Georgia 30120**

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DEK-Guard™ DEK-650 Flexible Membrane

APPLICATION OF MATERIALS

DEK-Guard DEK-650 Flexible Membrane is applied over properly cured DEK-641 Penetrating Primer using a 3/8" or 1/2" nap roller, chip brush, or notched squeegee at a rate of 50 – 55 sq. ft./gallon, or 29 – 32 mils. DEK-650 should be pigmented using 4 volume ounces of Res-Tek White pigment (P-15) per gallon of DEK-650 for better visibility during application. Pigment and BPO should be dispersed using a Res-Tek dispersing blade attached to a 2,500 rpm drill for 60 seconds. Refer to the DEK-Guard Powder Hardener (BPO) Dosing Chart for pigment and Powder Hardener (BPO) mixing rates.

STANDARD PACKAGING

DEK-Guard DEK-650 Flexible Membrane is packaged in 38 lb pails and 400 lb drums. Powder Hardener (BPO) is available in 10 lb or 55 lb boxes. Res-Tek pigments are available in 10 lb or 30 lb pails.

This product is sold by weight, not by volume. Product properties require that containers provided are not completely filled. See price sheet for actual container weight and volume.

CAUTION

DEK-Guard DEK-650 Flexible Membrane is a flammable liquid in its uncured state (as provided). All sources of ignition should be removed from the work area before handling this product. No smoking, open flames, or

sparks should be permitted in and around the work area. Workers should wear protective clothing including goggles and impermeable gloves. If allowable exposure limits are exceeded, organic vapor respirators should be worn. All on-site personnel should become familiar with the SDS and hazard section of the application binder in order to increase hazard awareness.

WARRANTY

Res-Tek Inc. warrants that materials shipped to buyers are free of any defects in material or workmanship according to Res-Tek's published data if used in accordance with Res-Tek's specified application procedure. Res-Tek Inc. shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended, and in accordance with Res-Tek's application guidelines. Res-Tek Inc. has no responsibility for application and processing of products.

STORAGE CONDITIONS

Store material in a cool and dry place out of direct sunlight. Do not store near open flame or ignition source. Read and understand all product labels and SDS sheet prior to use.

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