

Description:

The Pli-Dek Resinyte Vapor Prime is a specially formulated 100% Solids epoxy coating designed for use over concrete with high moisture levels for the purpose of isolating the concrete from moisture sensitive flooring. It is designed to be used as an above and below grade vapor retarder that is placed on the negative side (between the concrete slab and the impervious coating or surfacing) of the concrete substrate. As a vapor transmission suppression system, Vapor Prime will withstand moisture vapor emission rates (MVER) of 25 lbs/1000 sq/ft/24 hrs.

Uses:

Resinyte Vapor Prime is placed directly on properly prepared, strong and durable concrete substrates. The day after placement at 77°F (usually 12 hours), the intended impervious non-breathing or moisture sensitive flooring system can be placed. CAUTION: Concrete must be a minimum of 14 days old at time of application. Contact Pli-Dek for recommendations if fully cured concrete displays a moisture emissivity greater than 25 lbs/1000 sq/ft/24 hrs per ASTM F1869-04.

Advantages:

- Eliminates Negative Effects of Moisture Vapor
- Excellent Adhesion to Damp Concrete
- Convenient premeasured kits

Packaging:

Solid in 1 gallon or 3 gallon kits. Kits consist of a part A and a part B.

Storage:

Protect from freezing. Do not store container in direct sunlight.

Coverage Rate:

Coverage rate is approximately 100-200 Sq. Ft. per gallon for first coat

Mixing Instructions:

Do not attempt to mix partial kits. Pour the entire contents of Part B into the Part A container. Use a wooden stir stick to get all of the Part B out of the container. Mix the two component for 2 full minutes clockwise using a mixing drill. Be sure to scrap the sidewalls and the bottom with the drill. **Do not hand mix.**

Application:

Surface Preparation:
Surface must be free of grease, oil, and other contaminants. Prepare surface by grinding, or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions. Ensure preparation procedures comply with local building and environmental regulations. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating.

Application:

Pour material out of the pail immediately after mixing. Spread the product with a flat trowel or squeegee to achieve the coverage rate of 100-200 square feet per gallon if using the single coat system. Make sure to wear spiked shoes, with the Vapor Prime still wet, backroll the wet material to even out the distribution. Use a ¾ inch nap roller cover. If it is determined not enough product has been applied to a certain area, pour additional product and distribute it with the roller. This coverage rate will leave a dry film thickness of 16 mils.

Silica Sand Application:

After applying the PD Vapor Prime, lightly broadcast a clean, washed sand similar to 30 grit silica sand, onto the uncured PD Vapor Prime.

Note:

For a dual coat system, contact Pli-Dek for additional information.

Pot Life/Cure Time:

Pot Life at 77°F is 30 minutes. Dry to touch in 6 hours. Fully cured in 12 hours.

Technical Data:

Solid Content	100%
Viscosity (cps, 77°F)	400
Hardness, Shore (ASTM D-2240)	80
Volatile Organic Compounds	None
Permeability (ASTM E-96)	.60 Perms

Limitations:

Minimum ambient and surface temperatures of 55°F (7°C) is required during installation. If sub-surface cracks, Vapor Prime may reflect those cracks to some degree. It is not a substitute for a functioning vapor barrier placed beneath the concrete slab. Prior to placement of third party flooring systems on top of Vapor Prime, check to make sure sufficient third party adhesive bond strength can be developed. Vapor Prime is a topical treatment; therefore, it is not a remedy for ASR (Alkali Silica Reaction) contributed failure. Moisture vapor transmission (MVT) in excess of 25 lbs./1000 sq/ft/per 24 hr. period per ASTM F1869-04, may result in delimitation, discoloration or improper curing.

Warranty:

Please contact Pli-Dek Systems, Inc. for details.

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Technical Assistance:

Contact Pli-Dek Systems, Inc. for any job specific questions.

