

## TECHNICAL DATA SHEET

### GENERAL

#### DESCRIPTION:

VAPORLOCK, from Bulletproof, is the ideal solution for reinforcing and waterproofing concrete surfaces before overlays. Not only will it harden and densify your cementitious substrates - this non-flammable, non-toxic sealer also reduces chlorides to ensure you get a strong bond with top performance results!

#### ADVANTAGES:

- Reduces / Prevents Vapor Emissions
- Leaves concrete breathable
- **Reduces "green concrete" window from 28 to 5 days.**
- Does not alter bonds
- Purges soluble chlorides and prevents re-entry

#### PRIMARY USE:

VAPORLOCK is an innovative solution for preventing corrosive activity on concrete surfaces exposed to harsh elements. Its process creates a silica hydrogel that effectively waterproofs and seals the surface, ultimately protecting it from harm after all harmful materials have been removed. This can take up to thirty days or more depending on chloride and acidic residual concentrations in the capillaries of the matrix - providing long-term protection against vapor emissions prior to applying coatings such as polyurea, epoxy, urethane carpets & flooring tiles.

*Note: ALWAYS check the surface for moisture content before applying coatings or flooring.*

#### SURFACES:

Concrete, mortar beds, cement-based plaster, and most masonry substrates.

#### WARNING:

VAPORLOCK should never be used on tile.

### APPLICATION

#### MIXING INSTRUCTIONS:

For best results, ensure that the surface is lightly dampened with water before applying the sealer. Give it a good shake up to mix everything together for maximum effectiveness!

#### APPLICATION INSTRUCTIONS:

To ensure optimal results, the surface must be completely free of oils, grease and any other products that would impede sealer penetration. To prepare for sealing, lightly mist the character with water to create a dampened effect beforehand.

Horizontal Surfaces: Avoid over-application and puddling on flat surfaces. Brush or broom to a more porous area. Excess unreacted Vapor Seal will leave white crystals on the concrete.

Vertical Surfaces: Apply from top to bottom to the point of refusal. Apply sealer in two even coats using a low-pressure sprayer. After the first coat has soaked in, immediately apply the second coat. Apply only as much material as the surface will readily absorb. Areas that absorb sealer at a faster rate will require additional coats. After the final coat of sealer is dry, spray a light mist of water over the treated area. After the first water mist is dry to the touch, apply a second water mist.

#### LIMITATIONS:

The application temperature range is between 40°F - 100°F. Do not apply if the ambient air temperature is 40°F and falling or above 100°F and rising. Do not add other materials to the mixture of the product.

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**PACKAGING:**

VAPORLOCK is packaged in 5-Gallon Pails.

**PRODUCT COVERAGE:**

Rough Finish: 75-200 sq ft/gal

Smooth Finish: 150-200 sq ft/gal

**STORAGE:**

Storage at 40°F - 90°F. Protect from freezing. Shelf life is approximately 18 months.

**CLEANING:**

Rinse equipment with cold water. Do not leave behind any empty containers. Dispose of it properly.