

VaporSolve® Basic System

SYSTEM DATASHEET

SYSTEM DESCRIPTION

VaporSolve® Basic System is a specially formulated, 100% solids epoxy coating system designed for use over concrete with high moisture levels for the purpose of isolating the concrete from moisture-sensitive flooring. This low-viscosity, hydrophobic resin system is a single coat application of VaporSolve 100 applied at 16 mils. VaporSolve Basic System has enhanced chemical cross-linking which helps to reduce the coating's moisture permeability and increases its long-term resistance to water and alkalinity. This system is designed for use over concrete that has not been contaminated with reactive silicate curing compounds or densifiers.

FEATURES & BENEFITS

- Effective Regardless of Moisture Levels
- Success Rate Greater Than 99%
- Low Odor Formula
- No VOC's
- Qualified LEED Product
- Easy Installation

PRODUCTS

- VaporSolve 100
- VaporSolve Joint Filler

SYSTEM USES

VaporSolve Basic System is designed to isolate moisture sensitive flooring from all levels of moisture intrusion.

COLORS

VaporSolve Basic System is available in Clear.

PHYSICAL PROPERTIES

Permeability over concrete (ASTM E 96)	0.60 perms
Permeability/MVT over concrete (ASTM E 96)	1.06 lbs./1,000 sq. ft./24 hrs.
Adhesion to concrete (ASTM D 4541)	500 psi -concrete fails before loss of bond
Resistance to alkalinity (ASTM D 1308)	No visual change, 0.09% weight gain
*Film exposed to 35% solutions of potassium hydroxide and sodium hydroxide for 60 days)	
Viscosity (cps, 77° F)	400
Hardness, Shore D (ASTM D 2240)	80
Volatile Organic Compounds	None

SURFACE PREPARATION

Concrete must be clean, dry and profiled. Refer to the *VaporSolve Basic System Application Instructions* for more detailed surface preparation instructions.

CHEMICAL RESISTANCE

Please refer to the Arizona Polymer Flooring Chemical Resistance Guide for fully system chemical resistance.

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INSTALLATION

Please refer to the *VaporSolve Basic System Application Instructions* for information on installing this system.

MOISTURE VAPOR EMISSIONS PRECAUTIONS:

All concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride testing in compliance with ASTM F1869, or relative humidity probe testing in compliance with ASTM-F2170, to determine if excessive levels of vapor emissions are present before applying any coatings. Arizona Polymer Flooring offers **S-1300 Pene-Krete®** for cementitious overlay products and **VaporSolve® Moisture Remediation** systems for resinous floor coatings. Consult our technical service department. Arizona Polymer Flooring and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

WARRANTY:

Arizona Polymer Flooring guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. ARIZONA POLYMER FLOORING MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Arizona Polymer Flooring shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. Arizona Polymer Flooring shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.

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