

VaporSolve® Fresh Concrete System

SYSTEM DATASHEET

SYSTEM DESCRIPTION

VaporSolve® Fresh Concrete (FC) System is designed for use over concrete with high moisture levels for the purpose of isolating the concrete from moisture-sensitive flooring. This system uses a unique, water-based epoxy formulation to bond to concrete that's 6 to 24-hours-old. VaporSolve Fresh Concrete virtually eliminates the evaporation of water from the top of the slab, serving as the ultimate curing compound. The need for a sub-slab vapor retarder is eliminated. The concrete has been pre-primed and is ready for flooring without the need for further profiling. VaporSolve 100 is used as a topcoat. Total system thickness is 12 mils.

FEATURES & BENEFITS

- Effective Regardless of Moisture Levels
- Eliminates The Need for Surface Preparation
- Can Be Applied to Wet or Fresh Concrete
- Success Rate Greater Than 99%
- Low Odor Formula
- Low VOC's
- Qualified LEED Product
- Easy Installation

PRODUCTS

- VaporSolve Fresh Concrete
- VaporSolve 100
- VaporSolve Joint Filler

SYSTEM USES

VaporSolve Fresh Concrete System is designed for use on wet or fresh concrete to isolate moisture sensitive flooring from all levels of moisture intrusion.

COLORS

VaporSolve FC System is available in Clear, Wheat and Delta Fog.

PHYSICAL PROPERTIES

Permeability over concrete (ASTM E 96)	0.78 perms
Permeability/MVT over concrete (ASTM E 96)	0.28 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
<i>*Film exposed to 35% solutions of potassium hydroxide and sodium hydroxide for 60 days)</i>	
Viscosity (cps, 77° F)	400
Hardness, Shore D (ASTM D 2240)	80

SURFACE PREPARATION

Concrete must be clean, dry and profiled. Refer to the **VaporSolve Fresh Concrete 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 Fresh Concrete 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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