

## PRODUCT DESCRIPTION

APF VaporSolve® JOINT FILLER is a specially formulated, high-solids thixotropic epoxy paste, designed for use over concrete with high moisture levels for the purpose of isolating the concrete from moisture sensitive flooring. APF VaporSolve® JOINT FILLER is suitable for concrete substrates indicating up to 99% RH when measured in accordance with ASTM F2170. VaporSolve® JOINT FILLER is utilized to fill control/contraction and other non-moving joints with a material compatible with the APF VaporSolve and VaporSolve Ultra systems. *If the concrete surface is known or suspected of having been treated with sodium or potassium silicate products, use of APF VaporSolve Primer is required.*

APF VaporSolve® JOINT FILLER has been formulated for thixotropic viscosity yet excellent substrate wetting capabilities to promote penetration and adhesion. The special curing agent allows for adhesion to damp concrete. The product may be applied at temperatures between 65 - 85°F (18 - 30°C). Available in Fast Cure.

## ADVANTAGES

- Allows coating of high moisture content concrete substrates
- Creates complete vapor reduction system with VaporSolve products
- Superior adhesion to concrete

## PACKAGING

Supplied in complete A+B 0.75 gallon (32.84 L), 1.5 (5.68 L), and 3.0 gallon (11.36 L) total volume mixed units. Use only as complete mixed unit, do not break down into partial mixes.

## SURFACE PREPARATION

Concrete must be cured for at least 30 days and be clean, structurally sound, and free of wax, loose paint or curing compounds. Concrete should be shot blasted to achieve a surface minimum texture of ICRI 3 - 4. **Diamond abrasive grinding is not recommended.** Refer to ICRI Technical Guidelines 310-330 *Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair*. Acid etching is not recommended and will void Manufacturer's warranty. Carefully follow the guidelines listed in the APF published application instructions available at [www.apfepoxy.com](http://www.apfepoxy.com). Vacuum prepared concrete surface to remove all dust.

## TECHNICAL DATA

Mixing Ratio by Volume	Mix Full Kits Only
VOC	<1 g/l
Adhesion to Concrete ASTM D-4541	>500 psi
Permeability	
One coat 100 sq. ft./gallon over prepared concrete (ASTM E-96), without Primer	0.02 Perms
Resistance to alkalinity, (ASTM D-1308)(Film exposed to 35% solutions of potassium hydroxide and sodium hydroxide for 60 days)	No visual change, 0.09% weight gain
Cure Time (77°F)	~ 6 - 7 Hours
Cure Time (77°F) - Fast Cure	~ 3 - 4 Hours
Higher temperatures and lower humidity will shorten cure time. Lower temperatures and higher humidity will increase cure time.	

## JOINT TREATMENT

All expansion and other dynamic joints and cracks must be honored. Do not apply flooring system over these types of joints and cracks. Joint treatment may be performed before or after application of the floor system. When joints are cut after installation of the flooring system, mark joints at each end before application. Contraction joints should be placed, spaced and cut in accordance with ACI 302.1R-15. Joint preparation should be performed during general surface preparation. Cracks should be evaluated for possible movement. All cracks should be routed out to ¼-inch minimum width. After shot blasting/grinding process is complete, vacuum floor and cracks to completely remove any dust and debris. Joints and cracks must be completely free of concrete dust and steel shot.

Mix APF VaporSolve® Joint Filler in accordance with the product data sheet. Apply to fill joint completely. Apply additional material if product settles into joint below the concrete surface. Cured product must be level with concrete surface. Allow to cure before final coating. Refer to APF VaporSolve Joint Filler product data sheet for complete instructions.

## MIXING

APF VaporSolve® JOINT FILLER is packaged in pre-measured A+B 0.75 gallon (32.84 L), 1.5 (5.68 L), and 3.0 gallon (11.36 L) total volume mixed units. **Mix full units only. Do not attempt to mix partial kits.** Proper proportioning and homogenization are critical for success. Pour the entire contents of Part B into the Part A container. With low or medium speed drill and Jiffy type attachment, mix for 1 full minute. Be sure to move the drill around the mixing container scraping the sidewalls and bottom.

## APPLICATION

Pour material out of the pail immediately after mixing. Spread the product with a flat trowel, margin tool, or broad putty/plaster knife. Gunning is not recommended for this material.

## LIMITATIONS

- Prior to application, measure and confirm that ambient temperature and humidity conditions are at least 5°F over dew point.
- High humidity/low temperature will prolong cure time.

## SHELF LIFE

One [1] year from date of manufacture, in original unopened container. Store away from heat sources. Store between 50°F and 85°F (10°C – 30°C). Do not allow to freeze. Frozen material is unusable and must be properly disposed of.

## HANDLING & SAFETY

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas with reduced air movement. Avoid contact with skin; wear protective gloves. User must read and understand Safety Data Sheet before using. APF Safety Data Sheets are available at [www.apfepoxy.com](http://www.apfepoxy.com)

APF VAPORSOLVE JOINT FILLER PDS 01.04.24

### STANDARD WARRANTY STATEMENT

ICP Construction, Inc. ("we" "us" or "our"), manufacturer of Arizona Polymer Flooring, warrants that the product is produced within specifications and is free from defects in material only. No warranty shall be in effect until our Terms and Conditions of Sales (<https://www.icpgroup.com/wp-content/uploads/ICP-Group-Terms-and-Conditions-of-Sale.pdf>) are met, including payment and cooperative promotional considerations. We warrant that the covered product is free of defects in material only and suitable for the specified purpose for a period of one (1) year from the date of shipment, provided the product is (a) installed within its published shelf life, in strict conformance with specifications, and (b) handled, stored, mixed, and applied in accordance with our written instructions. It is your responsibility to initiate any claim against this warranty within the time frame specified below. If we determine that the product meets the requirements of this warranty, then we will, at our sole discretion, either refund the purchase price of the product or provide replacement product, in each case not to exceed the affected area as determined by our authorized technical representative. To obtain replacement or refund you must (a) provide timely written notice to us specifying in detail the non-conformity suspected (no later than five (5) working days after discovery), and (b) provide proof of purchase. We reserve the right to inspect the product prior to replacement. EXCEPT FOR THE EXPRESS WARRANTY ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. IN NO EVENT SHALL WE OR OUR AFFILIATES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY NATURE, REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW, INCLUDING, WITHOUT LIMITATION, BREACH OF ANY OBLIGATION OR WARRANTY IMPOSED ON US HEREUNDER OR IN CONNECTION HERewith, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES IN ADVANCE AND EVEN IF A REMEDY SET FORTH HEREIN IS FOUND TO HAVE FAILED OF ITS ESSENTIAL PURPOSE. "CONSEQUENTIAL DAMAGES" SHALL INCLUDE, WITHOUT LIMITATION, LOSS OF USE, INCOME, OR PROFIT, OR LOSSES SUSTAINED AS THE RESULT OF INJURY TO ANY PERSON, OR LOSS OF OR DAMAGE TO ANY PROPERTY (INCLUDING, WITHOUT LIMITATION, PROPERTY HANDLED OR PROCESSED THROUGH THE USE OF THE PRODUCTS), DAMAGES OR LOSSES RESULTING FROM CLAIMS OF OTHER PERSONS AGAINST YOU, OR DAMAGES OR LOSSES SUSTAINED AS THE RESULT OF WORK STOPPAGE, OR REMOVAL AND REPLACEMENT COSTS AND COSTS OF LABOR. IN NO EVENT SHALL OUR LIABILITY ARISING IN CONNECTION WITH OR UNDER THIS WARRANTY (REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW) EXCEED THE AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT ONLY. THIS LIMITED WARRANTY PROVIDES YOUR EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT. If you do not agree with these terms, you may return the product within thirty (30) days of purchase for a full refund, provided the product is not opened, altered, or adulterated in any manner, less any shipping and handling charges of any sort. Use of the product, or retention of the product beyond thirty (30) days, constitutes your acceptance of this limited and exclusive warranty. No customer, distributor, or representative of ours is authorized to change or modify the published data sheets or this warranty in any way. No one is authorized to make oral warranties on behalf of us.