

## PRODUCT DESCRIPTION

APF VaporSolve LP (Low Perm) 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. APF VaporSolve LP is suitable for concrete substrates indicating up to 99% RH when measured in accordance with ASTM F2170. **If the concrete surface is known or suspected of having been treated with any silicates/densifiers, use of APF VaporSolve Primer is required. Shot-blasting will not reliably remove metasilicate residues in the concrete surface.**

APF VaporSolve LP has been formulated for low viscosity and excellent substrate wetting capabilities to promote penetration and adhesion, including to damp concrete. This product should be applied when the surface and ambient temperatures are between 50°F-85°F (10°C-30°C).

## ADVANTAGES

- Allows coating of high moisture content concrete substrates
- Prevent failures due to excessive concrete moisture content
- Extremely low perm rating

## COLORS

Clear, White, Black and Delta Fog.

## PACKAGING

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

## COVERAGE

Coverage Rate: 100 sqft/gallon (16 mils WFT)

## SURFACE PREPARATION

Concrete must be cured for at least 30 days be clean, structurally sound, and free of wax, loose coatings or curing compounds. Concrete should be properly prepared to achieve a surface Minimum Texture of ICRI/CSP 2-3. Refer to ICRI technical guidelines 310-330 Selecting and specifying concrete surface preparation for sealer, coatings, polymer overlays, and concrete repair. Vacuum the prepared concrete surface to remove all dust. Acid etching is not recommended and will void manufacturers' warranty.

## TECHNICAL DATA

Mixing Ratio by Volume	Mix Full Kits Only
VOC	<50 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	0.01 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
Pot Life (ASTM D2471)	10 - 15 Minutes
Dry To Touch (77°F)	~ 6 - 7 Hours
Recoat	~ 12 - 24 Hours

Higher temperature and lower humidity will shorten cure time. Lower temperatures and higher humidity will increase cure time.

If 24 hour recoat window exceeded, substrate recoat preparation required.

## MIXING (Continues on next page)

**Clear:** Thoroughly pre-mix part A before adding the part B. Combine components and mix for 2-3 minutes using slow speed drill, scraping the bottom and sides of the mixing container. It is important to NOT whip air into the material while mixing. Material cannot be properly mixed by hand. Apply material immediately after complete mixing.

**Pre-pigmented:** Thoroughly pre-mix part A before adding the part B.. Combine components and mix for 2-3 minutes using slow speed drill, scraping the bottom and sides of the mixing container. It is important to NOT whip air into the material while mixing. Material cannot be properly mixed by hand. Apply material immediately after complete mixing.

## APPLICATION

Pigmented VaporSolve LP, must be applied over VaporSolve Primer, refer to VaporSolve Primer Product Data Sheet for application information. If applying a cementitious overlay, a layer of VaporSolve Tie Coat is necessary to ensure proper adhesion.

Pour the material out of the pail immediately after mixing. Apply the product to the surface using a squeegee, followed by a back roll with a quality solvent-resistant 3/8-inch nap roller cover. Apply at a rate of 100 sqft/gallon (16 mils WFT). **The material must be thoroughly rolled twice to achieve optimal substrate wetting {using North-South, East-West Method}.** Recoat within 24 hours. If the recoat window is missed, the surface must be abraded with 80-100 grit to create a uniform, gloss-free, and dust-free texture before recoating.

## LIMITATIONS

- Before applying, measure and ensure that the ambient temperature is at least 5°F above the dew point.
- High humidity/low temperature will prolong cure time
- Use of kerosene or propane forced air heating equipment during application may cause discoloration and finish defects.

## SHELF LIFE

Part A: 24 months at 50-85°F { 10-30°C }

Part B: 12 months at 50-85°F { 10-30°C }

\*When kept at recommended storage conditions and in original unopened containers. DO NOT ALLOW TO FREEZE. Frozen material is unusable and must be properly disposed of.

## HANDLING, SAFETY & STORAGE

- Avoid contact with skin; wear protective gloves. Application personnel must read and fully understand product Safety Data Sheet before using. APF Safety Data Sheets are available at [www.apfepoxy.com](http://www.apfepoxy.com).
- Store away from heat sources. Store between 50°F and 85°F (10°C-30°C). DO NOT FREEZE. Frozen material is unusable and must be properly disposed of.

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## 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.