

## PRODUCT DESCRIPTION

APF EPOXY 400 WC is a medium viscosity, 100% solids product used in a variety of wall rendering applications. APF EPOXY 400 WC provides an outstanding balance of physical strength, flexibility, and chemical resistance. The pigmented material features high pigment loading for excellent substrate hide and color consistency when roller applied.

APF EPOXY 400 WC is a medium viscosity product for improved flow and handling at lower temperatures and excellent application qualities.

APF EPOXY 400 WC is a high-performance wall coating system that provides a seamless, high gloss, durable and easy-to-clean wall surface. It's installed at 12 to 20 mils dry film thickness, permits a variety of topcoats depending on the application.

## USES

- Biomedical
- Pharmaceutical
- Food & Beverage
- Commercial Kitchens
- Health Care & Institutional
- Veterinary/Animal Care

## ADVANTAGES

- Can be used with Fiberglass reinforcement
- Better workability as a wall coating
- 100% solids, Low VOC

## COLORS

White, Bone, Delta Fog & Sterling Standard colors available.

## TECHNICAL DATA

Mixing Ratio by Volume	2A : 1B
VOC Clear	70 g/l
VOC Pigmented	79 g/l
Solids Content, by Volume	100%
Hardness, Shore D ASTM D-2240	78
Tensile Strength (ASTM D-638)	6,230
Ultimate Elongation, (ASTM D-638)	11%
Compressive Strength, (ASTM D-695)	19,501 psi
Flexural Strength, psi (ASTM D-790)	9,680 psi
Bond Strength to Concrete (ASTM D-4541)	>400 psi, concrete fails
Cure Time (77°F)	
	Dry to Touch ~8 Hours
	Recoat Final Flooring Application ~16 Hours
	Full Cure ~7 Days

## PACKAGING

Supplied in complete A+B 1.5 gallon (5.68 L), 15 gallon (56.8 L). Mix ratio 2A : 1B

## SURFACE PREPARATION

Concrete must be cured for at least 30 days, have a minimum compressive strength of 3000 psi, be clean, structurally sound, and free of wax, loose paint or curing compounds. Concrete should be properly prepared to achieve a surface minimum texture of ICRI/CSP 3 - 4. 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 the prepared concrete surface to remove all dust. Previously coated surfaces that are soundly adhered must be mechanically cleaned and abraded to achieve uniformly gloss-free, open texture.

### MIXING

APF EPOXY 400 WC is packaged in premeasured and bulk units.

Proper proportioning and homogenization are critical for success. Mixing ratio is 2A : 1B. Premix both components for 3 minutes prior to blending. Be sure to move the drill around the mixing container scraping the sidewalls and bottom.

Add component B to component A and mix with medium speed drill mixer for three [3] minutes. Distribute material immediately after complete mixing. Only mix the amount of material that can be applied in 25 mins.

### APPLICATION

Ensure that primed surface is pore and pin-hole free. Working from a 5-gallon bucket or roller tray, apply by dip-and-roll, with a quality 1/2- or 3/8-inch solvent resistant roller cover, in a thin layer of 5 - 8 mils (0.15 - 0.20mm). Distribute material on surface immediately after mixing. Apply second coat if necessary to ensure pore-free surface for subsequent applications.

### CONCRETE MOISTURE

It is the applicators responsibility to Test for concrete moisture in accordance with ASTM F2170-19. If moisture is indicated to be in excess of 85%, apply APF VaporSolve® system in accordance with the published technical data sheet. Consult APF Technical Service for further information.

### 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
- Use of kerosene or propane forced air heating equipment during application may cause discoloration and finish defects.

### SHELF LIFE

One [1] year from date of manufacture, in original unopened container with the exception of the Clear A Component only. Store away from heat sources. Store between 50°F and 85°F (10°C - 30°C). Do not allow to freeze.

### HANDLING & SAFETY

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

#### STANDARD WARRANTY STATEMENT

APF EPOXY 400 WC PDS 01.04.24

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.

