

## PRODUCT DESCRIPTION

APF EPOXY 100 is a two-component water-based epoxy that features ease of application, low VOC, and excellent overall coating performance. This material cures blush-free over a wide range of temperatures and adheres tenaciously to a variety of properly prepared substrates including damp concrete.

## USES

APF EPOXY 100 is used as a primer under epoxy, polyurethane, and acrylic flooring materials. APF EPOXY 100 is recommended for coating warehouse and factory floors, coating automotive repair facilities, residential garage floors, and many other commercial and industrial maintenance applications. APF EPOXY 100 is the standard primer for all of the APF systems where moisture remediation is not required.

## ADVANTAGES

- Used as a primer for all systems
- Easy to use
- Suitable for damp concrete substrates

## SURFACE PREPARATION

Concrete must be cured for 30 days and be clean, structurally sound, and free of wax, loose paint or curing compounds. Surface may be damp, but standing water should be removed. Concrete should be shot blasted or diamond ground to achieve a surface minimum texture of ICRI 3. Acid etching is not recommended and will void Manufacturer's warranty. Carefully follow the guidelines listed in the Arizona Polymer Flooring published application instructions available at [www.apfepoxy.com](http://www.apfepoxy.com). Vacuum 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.

If the need to apply to green concrete arises, contact APF Technical Services.

## 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.

## TECHNICAL DATA

Gloss 60°	ASTM D523	85 - 90
Taber Abrasion 1000 g load/1000 cycles/CS17		60 -65 mg loss
Adhesion to Damp Concrete ASTM D7234		Concrete Failure
Mixing Ratio by Volume		4 : 1
Solids Content by Volume		43.5%
VOC Clear		<5 g/l
VOC Pigmented		60 g/l
Pot Life		~2 - 3 Hours
Cure Times (77°F/25°C)		
	Dry to Touch	~2 Hours
	Re-coat	~12 - 18 Hours
	Light Traffic	~18 - 24 Hours
	Full Cure	~7 Days
Higher temperatures and lower humidity will accelerate cure time Lower temperatures and high humidity will lengthen cure time.		

## COLORS

APF EPOXY 100 is available in Clear and 10 standard colors.

## PACKAGING

APF EPOXY 100 is supplied in complete A+B 1.25 Gallon (4.73 L) & 5.0 Gallon (18.93 L) total volume mixed units. Mix ration 4A:1B.

## MIXING

Premix Part A before blending with Part B. Combining ratio is 4 Parts A to 1 Part B. Proportion the amounts carefully and mix for 2 full minutes using a low speed drill, scraping the bottom and sides of the mixing vessel. Clean potable water must be added to achieve a low application viscosity. A common mixing ratio is 4A:1B:1 part water.

Mix only that amount of material that can be used in a 2 - 3 hour period. In very hot weather it is advisable to mix smaller batches to ensure good flow and workability. Because color change can occur as mixed material advances into its pot life, mix only that amount of pigmented material that can be used within 1 hour.

## APPLICATION

APF EPOXY 100 is normally applied 200 - 350 sq. ft. per gallon by brush or roller. If using as a primer and trapped air in the substrate creates bubbles, continued rolling will cause them to disappear. APF Epoxy 100 should normally be re-coated after an overnight cure period. However, if conditions are very cool and/or damp, 48 hours cure time should be allowed before re-coating. If the product cures longer than 72 hours, the surface should be lightly sanded before re-coating. When using a pigmented coat, keep a "wet edge" and do not attempt to roll over material that has begun to set as a change in color will result.

## LIMITATIONS

- Exterior applications will exhibit chalking, discoloration and fading.
- Clear product is not recommended for exterior applications
- Will discolor over time when exposed to sunlight (UV) and/or under certain artificial lighting conditions.
- Do not apply in excess of recommended application thickness. Uneven curing may result.
- Not recommended for application over acid based concrete stains.

## 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. 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 100 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.