

SYSTEM DESCRIPTION

Armor-Rez SL 100 is a high-build, self-leveling slurry system consisting of a two-component epoxy primer, two-component epoxy slurry, and a two-component epoxy topcoat or optional urethane topcoats.

APF ARMOR-REZ SL 100 offers high gloss, impact resistant floor with excellent chemical and abrasion resistance. It is ideal for resurfacing floors that are moderately deteriorated.

USES

- Light manufacturing
- Warehousing
- Retail
- Commercial
- Garage floors

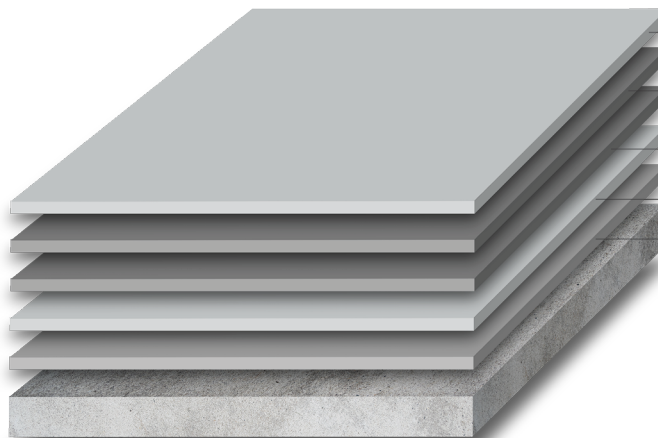
ADVANTAGES

- Good Impact Resistant
- Abrasion Resistant
- Chemical Resistant
- Available in Fast Cure Formulas

COLORS

APF ARMOR-REZ SL 100 is available in 12 standard colors. Refer to topcoat product data sheet for complete list of available colors.

TYPICAL SYSTEM BUILD



- Optional 2nd TopCoat:**
Polyurethane 100/100 VOC, 325, Poly 501 or 600
- TopCoat:** Epoxy 400/400 UVR
- Slurry Basecoat:** Epoxy 400 & Epoxy Slurry Filler
- Primer:** Epoxy 100
- Patching, Filling, Moisture Vapor:**
Epoxy 300 Flex Paste,
APF VaporSolve® System
- Note:** Diagram not to scale

TECHNICAL DATA

Compressive Strength (ASTM C-579)	19,500 psi
Tensile Strength (ASTM C-307)	6,230 psi
Flexural Strength (ASTM C-580)	9,680 psi
Impact Resistance (ASTM D-2794)	160 in-lb

Refer to product data sheet of individual system component for more information.

TYPICAL SYSTEM BUILD

COAT	PRODUCT	THICKNESS/COVERAGE
Patching, Filling, Moisture Vapor	APF Epoxy 300 Flex Paste, APF VaporSolve System	As required
Primer	APF Epoxy 100	200 sq. ft./gallon (8 mils WFT)
Slurry Basecoat	APF Epoxy 400 & Epoxy Slurry Filler	70 sq. ft./1.5 gallon slurry mix (50 mils WFT)
Topcoat	APF Epoxy 400/400 UVR	200 sq. ft./gallon (8 mils WFT)
Optional 2nd Topcoat	APF Polyurethane 100/ 100 VOC, 325, Poly 501, P600	250-300 sq. ft. per gallon (5-6 mils WFT)*

*Topcoat coverage determines final texture.

APPLICATION INSTRUCTIONS

1.0 Concrete Moisture

It is the applicator's responsibility to test for concrete moisture in accordance with ASTM F2170-19. If moisture is indicated to be more than 85%, apply APF VaporSolve system in accordance with the published system data sheet. Consult APF Technical Service for further information.

2.0 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.

3.0 Crack Repair

Use Epoxy 300 Flex Paste immediately after mixing. Spread the product using a flat trowel, margin tool, or broad putty/plaster knife. Gunning is not recommended for this material. Apply it to completely fill the joint. If the product settles below the concrete surface, add more material. The cured product must be level with the concrete surface. Allow it to cure before applying the final coat.

4.0 Application of the Prime Coat

After any patchwork/crack repair has cured, apply one coat of Epoxy 100 after mixing according to the mixing instructions on the applicable product data sheet. Apply material onto the surface immediately after mixing with a squeegee, back roll using a quality solvent resistant 3/8-inch nap roller cover. Apply at a rate of 200 sqft/gallon at 8 mils WFT. A "wet edge" is recommended when applying the product; do not attempt to roll over material that has begun to set.

An applicator wearing spiked shoes will back roll the wet material using a quality solvent-resistant 3/8-inch nap roller cover to distribute the material uniformly. **The material must be thoroughly rolled twice to achieve optimal substrate wetting {using North-South, East-West Method.}** Epoxy 100 must be recoated within a 24-hour recoat window. If this window is exceeded, the surface must be abraded with 80-100 grit to achieve a uniform, gloss-free, and dust-free texture before recoating.

5.0 Application of the Slurry Basecoat

Set up a mixing station using a plastic tarp or drop cloth. At this station, locate the resin, slurry filler, tools and equipment, and cleanup solvent.

The slurry system consists of equal volumes of catalyzed Epoxy 400 resin and finely graded aggregate fillers. The prepackaged Arizona Polymer Flooring Slurry Filler gives a flowable, self-leveling mixture. In cooler weather or if using a high viscosity resin, the amount of filler may be reduced to obtain better leveling characteristics.

Premix the pigmented epoxy Part A before blending with Part B. Blend well for 2-3 minutes. Add 10-15 lbs. of slurry filler to 1.5 gallons of mixed Epoxy 400 and mix for an additional 2 minutes or until the mixture is thoroughly homogenized.

The mixture is then poured onto the primed surface and spread with a notched trowel or squeegee. It is important to spread the material promptly, especially if using a fast-cure resin. The ability of the system to flow easily is reduced as the cure of the resin advances.

The thickness of the system will be determined by the size of the notched trowel and the angle at which it is held. A trowel with 1/4 x 1/4 inch notches leaves 60 mils. A 1/4 x 3/16-inch trowel leaves 50 mils. Thickness of the floor decreases as the notches wear and if the trowel is held at a closed angle. It is advisable to use a wet film gauge to check thickness as the application proceeds.

After the material has been spread, an applicator wearing spiked shoes should walk onto the surface and back roll the area with a textured loop roller to remove trowel marks and obtain an even distribution of the material. After rolling with loop roller, reroll the area well with a spike roller to release air that has been entrained during the mixing process. Allow the slurry coat to cure overnight prior to applying the topcoat.

6.0 Application of the Topcoat

After mixing the Epoxy 400/400 UVR according to the product data sheet, apply Epoxy 400/400 UVR onto surface immediately after mixing with a squeegee, back roll with using a quality solvent resistant 3/8-inch nap roller cover. Apply at a rate of 200 sqft/gallon (8 mils WFT). A "wet edge" is recommended when applying product, do not attempt to roll over material that has begun to set. An applicator wearing spiked shoes will back roll the wet material using a quality solvent resistant 3/8-inch nap roller cover to distribute the material uniformly. **The material must be thoroughly rolled twice to achieve optimal substrate wetting {using North-South, East-West Method.}** Epoxy 400/400 UVR must be recoated within a 24-hour recoat window. If this window is exceeded, the surface must be abraded with 80-100 grit to achieve a uniform, gloss-free, and dust-free texture before recoating.

7.0 Application of Optional Polyurethane Top Coat

After an overnight cure, mix the Polyurethane 100/100 VOC, 501, 600 or 325 in accordance with the applicable product data sheet. Apply the material onto the surface immediately after mixing with a brush or roller, and back roll using a quality solvent-resistant 3/8-inch nap roller cover at a rate of 250-300 sq. ft./gallon (5-6 mils WFT). DO NOT allow puddling or accumulation in joint areas. A "wet edge" is recommended when applying the product; do not attempt to roll over material that has begun to set. An applicator wearing spiked shoes will back roll the wet material with a quality solvent-resistant 3/8-inch nap roller cover to distribute it uniformly. The material must be thoroughly rolled twice to achieve optimal substrate wetting using the North-South, East-West Method.

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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.