

## SYSTEM DESCRIPTION

Armor-Rez SL 600 is a high-build, self-leveling slurry system consisting of a two-component epoxy primer, two-component epoxy slurry, and a two-component chemical resistant epoxy topcoat.

APF Armor-Rez SL 600 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
- Laboratories
- Hospitals
- Food/beverage manufacturing

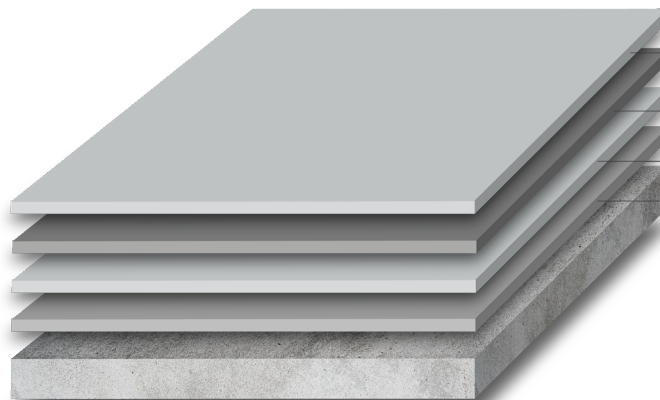
## ADVANTAGES

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

## COLORS

APF Armor-Rez SL 600 is available in 12 standard colors. Refer to topcoat product data sheet for complete list of available colors.

## TYPICAL SYSTEM BUILD



- TopCoat: Epoxy 600
- Slurry Basecoat: Epoxy 600 & 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
<b>Patching, Filling, Moisture Vapor</b>	APF Epoxy 300 Flex Paste, APF VaporSolve System	As required
<b>Primer</b>	APF Epoxy 100	200 sq. ft./gallon (8 mils WFT)
<b>Slurry Basecoat</b>	APF Epoxy 600 & Epoxy Slurry Filler	70 sq. ft./1.5 gallon slurry mix (50 mils WFT)
<b>Topcoat</b>	APF Epoxy 600	80-200 sq. ft./gallon (8-20 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 Primer 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 600 resin and finely graded aggregate fillers. The prepackaged APF 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 600 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. A batch consisting of 1-1/2

gallons of resin and 15 pounds of filler will cover 70 sqft. at a 50 mil thickness.

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 600 according to the product data sheet, apply Epoxy 600 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 80-200 sqft/gallon (8-20 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.}**

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### STANDARD WARRANTY STATEMENT

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