

## PRODUCT DESCRIPTION

**Epoxy 752** is a two component, sag resistant, high solids, high performance resin system designed to be used in clean rooms and other sensitive environmental areas. Formulated to complement **Epoxy 750**, but with a thickening agent added for a wall coating, a textured top coat, or used as an integral cove gel. The material is VOC compliant in California.

Formulated to conform to ISO 14644-1, **EPOXY 752** exceeds requirements for post-cure out-gassing and particulate emissions in clean rooms.

## USES

- Clean rooms, walls and integral cove base
- Vivariums
- Laboratories
- Hospitals, Research Facilities

## ADVANTAGES

- High pigment loading for excellent coverage and hiding
- Excellent UV resistance
- Thixotropic additive for sag resistant wall and cove base applications

## COLORS

16 Standard colors & black, white available.

## PACKAGING

Supplied in complete factory pigmented A+B 1.5 gallon (5.68 L) & 15 gallon (56.8 L) total volume mixed units.

Mix ratio **2A : 1B**

## SURFACE PREPARATION

Concrete must be cured for at least 30 days and be clean, structurally sound, and free of wax, loose paint or curing compounds. Concrete should be shot blasted to achieve a surface minimum texture of ICRI 3 - 4. Refer to ICRI Technical Guidelines 310-330 *Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair*. Dry wall, Durock underlayments must be primed before application. CMU must be filled and sealed.

## TECHNICAL DATA

Mixing Ratio by Volume	2A : 1B
VOC	23 g/l
Solids Content, by Volume	96%
Bond Strength to Concrete (ASTM D-4541)	>350 psi, concrete fails
Cure Time (77°F) Full Cure	7 Days
Recoat Final Flooring Application	Do not exceed 16 Hours
Tensile Strength ASTM D638	8,590 psi
Flexural Strength ASTM D790	13,945 psi
Tensile Elongation ASTM D638	7%
Compressive Strength ASTM D695	13,790 psi
Water Absorption ASTM D570	<0.1%
Abrasion Resistance ASTM D4060 CS17 x 1,000 cyc x 1kg	32 mg loss
Hardness, Shore D ASTM D2240	80-85
Total Mass Lost (TML) at 257°F (125°C) ASTM E595	3.41%
Flammability when Bonded to Concrete ASTM D635	Self-Extinguishing
Microbial (Fungi) Resistance ASTM G21	Passes #1

## SURFACE PREPARATION, Cont.

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.

## CONCRETE MOISTURE

Test for concrete moisture in accordance with ASTM F2170 – 19. If moisture is indicated to be in excess of 80%, apply the appropriate **APF VaporSolve®** system in accordance with the published technical data sheet. Consult APF Technical Service for further information.

## MIXING

APF EPOXY 752 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. Bulk units should be mechanically premixed with electric drill and whip. Do not attempt to hand mix. Be sure to move the drill around the mixing container scraping the sidewalls and bottom. Pre-blending or “boxing” of field pigmented units is recommended for color uniformity.

Add component B to component A and mix with medium speed drill mixer for three [3] minutes. Distribute material immediately after complete mixing.

## APPLICATION

Ensure that primed surface is pore and pin-hole free. Dry wall applications must be primed first. Concrete CMU must be filled and primed prior to application. Wall applications applied by dip-and-roll from pan should be mixed in the smallest practical mix size to avoid exothermic heating of product.

Apply with squeegee, back roll with quality 1/4- or 3/8-inch solvent resistant roller cover. Apply in thin layer of 5 - 8 mils (0.15 - 0.20mm). Apply second coat if necessary to ensure pore-free surface for subsequent applications.

Cove base binder: Refer to appropriate APF Application Instructions.

## LIMITATIONS

- Prior to application, measure and confirm that ambient temperature and humidity conditions are at least 5°F over dew point.
- Exposure to sunlight or high levels of UV lighting may cause yellowing (ambering) over time.
- High humidity/low temperature will prolong cure time.
- Use of kerosene, natural gas, 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. Store away from heat sources between 50°F and 85°F (10°C – 30°C).

## 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)

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## STANDARD WARRANTY STATEMENT

ICP BUILDING SOLUTIONS GROUP, the owner of Arizona Polymer Flooring, warrants that the product is produced within specifications and is free from defect. No warranty shall be in effect until ICP Building Solutions Group Terms and Conditions of Sales are met, including payment and cooperative promotional considerations. ICP Building Solutions Group warrants that the covered product is free of defect and suitable for the specified purpose for a period of one (1) year from the date of shipment, provided the product is installed within its published shelf life, in strict conformance with specifications, and/or written project-specific installation guidance from authorized representation. ICP Building Solutions Group warrants only when product is handled, stored, mixed and applied in accordance with published recommendations. It is purchaser responsibility to initiate any claim against this warranty within a reasonable time. If determined by ICP that the product does not meet this warranty, the liability of ICP Building Solutions Group shall be limited to refund of the purchase price or provision of replacement product, neither needing to exceed the affected area as determined by a person authorized to perform technical representation for ICP Building Solutions Group. To obtain a replacement or refund the customer must provide written notice containing full details of the non-conformity suspected. The purchaser, owner or their representative shall notify ICP Building Solutions Group, in writing, within five (5) working days concerning any potential defect, or as needed before conditions deteriorate and increase repair costs. ICP Building Solutions Group reserves the right to inspect the non-conforming material prior to replacement. ICP Building Solutions Group may in its discretion refund the purchase price received by ICP Building Solutions Group in lieu of replacing the material. Except for the expressed warranty stated above, there are no other warranties, expressed or implied, including without limitation, any implied warranty of merchantability or fitness for purpose. ICP Building Solutions Group's obligation shall not extend beyond the obligations expressly undertaken above and ICP Building Solutions Group shall have no liability or responsibility to purchaser or any third party for any loss, cost, expense, damage or liability, whether direct or indirect, or for incidental or consequential damages. No customer, distributor, or representative of ICP Building Solutions Group 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 ICP Building Solutions.