



# ARMOR-REZ P250 VOC GRIND & SEAL CONCRETE SEALING SYSTEM

SYSTEM DATA SHEET

## PRODUCT DESCRIPTION

ARMOR-REZ P250 VOC system is comprised of APF POLYURETHANE 250 VOC product as a primer and topcoat, providing an easy to install, high performance sealer system for installation over ground concrete.

## USES

ARMOR-REZ P250 VOC system is a general purpose sealing system for ground and polished concrete floors. ARMOR-REZ P250 VOC is recommended for coating warehouse and factory floors, coating automotive repair facilities, residential garage floors, and many other high traffic commercial and industrial maintenance applications.

## ADVANTAGES

- Durable, Easy to Clean Finish
- Easy to use

## SURFACE PREPARATION

Concrete must be cured for at least 28 days and be clean, structurally sound, and free of wax, loose paint or curing compounds. Surface should be dry. Concrete should be diamond ground to achieve a uniform smooth finish. 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.

## MOISTURE VAPOR CONDITIONS

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system. It is the responsibility of the applicator to perform appropriate moisture testing before application. Relative humidity tests for concrete substrate should be conducted per ASTM F2170, values must be  $\leq 85\%$ . If values are  $> 85\%$  according to ASTM F2170, APF moisture remediation products should be utilized. Consult your APF sales professional for more information.

## PACKAGING

APF POLYURETHANE 250 VOC Supplied in complete A+B 1.5 gallon (5.7 L) or 15 gallon (56.8 L) total volume mixed units. Available in Clear Gloss and Clear Satin finish. Mix ratio is 2A:1B.

## TECHNICAL DATA

Refer to individual components APF POLYURETHANE 250 VOC product data sheet for physical properties and VOC information.

## MIXING

Mix only that amount of material that can be used in a 45 minute to 1 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, when used as a pigmented finish coat, mix only that amount of material than can be used within 1 hour.

Mix one [1] COLOR STAIN PIGMENT PACK 02-CCSPPxxx with one [1] gallon of acetone. Set aside.

Mix APF Polyurethane 250 VOC 1.5 gallon unit, complete A + B. Add and mix with medium speed drill mixer for three [3] minutes. Add to Color Stain & Acetone mix. Mix with medium speed drill mixer for 3 minutes. Distribute material immediately after complete mixing.

## APPLICATION

**Primer Coat:** APF POLY 250 VOC is normally applied 200 - 300 sq. ft. per gallon by brush, roller or airless spray. APF POLY 250 VOC has an indefinite recoat window when being recoated with itself.

**Finish Coat:** APF POLY 250 VOC is applied at 300-350 sq. ft. per gallon by brush, roller or airless sprayer. Do not allow to puddle or accumulate in joint areas. Applications heavier than 200 sq. ft. per gallon will create bubbles in the cured coating.

**Optional Finish Coat:** APF POLY 250 VOC Satin. Mix and apply per the product data sheet. Do not thin with acetone. Apply at 300 - 350 sq. ft. per gallon using quality 1/2- or 3/8-inch nap roller.

## LIMITATIONS

- Thin only with acetone, use only clean, fresh solvent from new, sealed containers. Old solvent may absorb moisture that will adversely effect the finish.
- Prior to application, measure and confirm that ambient temperature and humidity conditions are at least 5°F over dew point.
- Use of kerosene or propane forced air heating equipment during application may cause discoloration and finish defects.





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## CLEAN UP

Clean tools and equipment before material dries or cures. Clean with acetone or methyl ethyl ketone (MEK). Store waste solvent, rags, roller covers, and sanding debris outside away from structures or combustible materials. Dispose in legal and environmentally responsible manner.

## 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

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 Group. ICP Building Solutions Group does not warrant or guarantee the workmanship performed by any person or firm installing its products/systems..



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