

PRODUCT DESCRIPTION

APF STAT-REZ® 225 is a three-component, high-performance aliphatic polyester urethane floor coating designed to impart electrostatic conductive qualities to floor surfaces in conjunction with ESD compliant footwear. The system is designed to provide static control properties for personnel, ESD compliant wheeled equipment, and chairs, which limits the ability of personnel to build up electrostatic charges on their person by providing effective equipotential grounding. This coating features excellent light reflection, abrasion and scratch resistance, ease of cleaning, and excellent resistance to a broad range of chemicals.

APF STAT-REZ 225 is formulated to conform to ANSI S20.20–2014 Product Qualification and Performance Verification requirements when used with APF STATREZ 150 conductive primer. Meets various DOD and Military standards. Certification available on request.

USES

Typical Uses

- Electronics Manufacturing and Assembly
- Military/ Aerospace/ Aircraft Hangars
- Hazardous Industries (dust or explosion hazards)
- Clean Rooms
- Pharmaceutical Facilities

ADVANTAGES

- Highly reflective, easily cleaned surface
- Resistant to common industrial chemicals
- Monolithic, seamless, non-porous
- More durable than ESD tile or sheet goods, no joints to fail.
- Low Maintenance, no topical ESD treatments required.

COLORS

Wheat	Sand	Buff
Adobe	Red Brick	Concrete Gray
Delta Fog	Sterling	Slate

TECHNICAL DATA

Impact Resistance	160/160 inch/lbs
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Taber Abrasion 1000 g load/1000 cycles/CS17	40 mg loss
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Adhesion to Concrete ASTM D7234	>350 PSI/Concrete Failure
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Mixing Ratio by Volume	Mix Full Kits Only
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VOC	178 g/l
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Cure Times (77°F/25°C)

Light Traffic	12 Hours
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Full Cure	7 Days
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Electrical Properties

Electrical resistance per ANSI S7.1 – 13 ¹	2.5 x 10 ⁴ to 1.0 x 10 ⁶ ohms
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Body Voltage Generation ANSI 97.2 ²	<15 Volts
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Meets ANSI S20.20 – 2014 Product Qualification & Compliance Verification²

¹ When applied with StatRez 150 Conductive Primer

² With compliant footwear or shoe grounders, properly worn and in good working condition

PACKAGING

Supplied in complete 1.5 gallon (5.7 L) & 3.0 gallon (11.35 L) total volume, components A, B & C (color pack). Use only as complete mixed unit, do not break down units.

SURFACE PREPARATION

Concrete must be cured 30 days and be clean, dry, and structurally sound. Surface must be shot blasted or diamond ground to achieve a minimum ICRI profile of CSP-3. Consult ICRI Technical Guidelines Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair for complete information. If the surface is diamond ground, use 20-30 grit diamonds and vacuum the floor to completely remove any concrete dust. Excessive dust in the pores of the concrete will compromise adhesion. Previously coated surfaces must be mechanically cleaned and abraded prior to application to achieve a clean, gloss-free and open texture.

CONCRETE MOISTURE

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.

GROUNDING

Prior to beginning application, locate and place grounding points in accordance with the recommended method. Consult APF Technical Service for more information.

PRIMING

Prepared concrete must be primed before application of APF STAT-REZ 225. Prime prepared concrete with APF EPOXY 400. Substrate surface must be completely sealed and cured before application of subsequent coats.

Applications of APF STAT-REZ 225 for conductive applications must be applied over APF STAT-REZ 150 conductive primer. Mix and apply APF STAT-REZ 150 conductive primer in accordance with the published technical data sheet for that product. Allow to fully cure for minimum of twelve [12] hours at normal environmental conditions before applying APF STAT-REZ 225 finish coats.

Existing ESD surfaces should have an isolation layer of epoxy primer applied prior to application of APF STAT-REZ 225

MIXING

Condition all materials to ambient temperature before starting. Premix A component completely to consolidate any settled product. Scrape sides and bottom of container to ensure that all constituents are completely blended. Add B Component to the A component container and mix with slow speed mixer for a minimum of two [2] minutes. Add C component (color pack) and mix for an additional two [2] minutes and until completely blended. Apply product to floor immediately after mixing.

APPLICATION

Apply APF STAT-REZ 225 in two [2] coats, approximately 6 mils each coat (250 – 275 sq. feet per mixed gallon/6.7 sq. meters per liter). Observe re-coat time limitation. Apply second coat within 24 hours.

Apply with 1/4- or 3/8-inch quality solvent-resistant roller cover. Apply at uniform thickness to ensure uniform appearance. Do not exceed recommended application thickness.

SHELF LIFE

Three months from date of manufacture, in original unopened container. Store away from heat sources between 50°F and 85°F (10°C – 30°C). Do not allow to freeze.

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

LIMITATIONS

- Exterior applications will exhibit chalking, discoloration and fading
- Do not use in conjunction with Stat-Rez NANO 175 conductive primer.
- Prior to application, measure and confirm that ambient temperature and humidity conditions are at least 5°F over dew point.
- Do not thin this product. Addition of thinners will void Manufacturer's warranty.
- Use of kerosene or propane forced air heating equipment during application may cause discoloration and finish defects.

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APF STATREZ 225 PDS 03.16.21

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.

