

PRODUCT DESCRIPTION

APF STAT-REZ[®] NANO 175 Conductive Primer is a two-component, water-based epoxy conductive coating, designed to provide an effective ground plane for APF STAT-REZ **NANOWISE TECHNOLOGY™** electrostatic conductive flooring systems. The complete APF STAT-REZ NANO system is designed to provide static control properties for personnel when used in conjunction with ESD compliant footwear, 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.

APF STAT-REZ NANO 175 Conductive Primer is formulated to work in conjunction with APF STAT-REZ NANO 275 (Hybrid System only), STAT-REZ NANO 375 & STAT-REZ NANO 975 to conform to ANSI S20.20 – 2014 Product Qualification and Performance Verification requirements when used with ESD compliant footwear. Meets DOD, MIL, NFPA and other standards.

ADVANTAGES

- Creates effective low-resistance ground plane for STAT-REZ ESD flooring systems.

COLOR

Flat black

PACKAGING

Supplied in complete A+B 2.5 gallon (9.46 L) or 5.0 gallon (18.9 L) total volume mixed units. Use only as complete mixed unit, do not break down into partial mixes.

SURFACE PREPARATION

Concrete surface must be prepared in accordance with the product data sheet for APF Epoxy 400 or APF VaporSolve[®].

Surface must be primed before application of APF STAT-REZ NANO 175 Conductive Primer. Do not apply APF STAT-REZ NANO 175 Conductive Primer directly to the concrete substrate. Existing polymer flooring surfaces should be cleaned and abraded to a uniform, gloss-free, open and dust-free texture.

TECHNICAL DATA

Mixing Ratio by Volume	Mix Full Kits Only
------------------------	--------------------

VOC	126 g/l
-----	---------

Solids Content, by Volume	38%
---------------------------	-----

Surface Resistance (ANSI S7.1)	<5,000 ohms
--------------------------------	-------------

Pot Life (77°F/25°C)	1 Hour
----------------------	--------

Cure Times (77°F/25°C * & <60% RH)	
------------------------------------	--

Dry To Touch	~2 Hours
--------------	----------

Dry to Finish Coat	~6 Hours
--------------------	----------

GROUNDING

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

MIXING

Mix Part A well, bringing settled components up from bottom of container before adding Part B. Add Part B to the container containing Part A. Mix carefully for 2 full minutes using a low speed drill, scraping the bottom and sides of the mixing vessel until completely uniform.

Do not thin with water as it will adversely affect conductivity.

APPLICATION

Apply APF STAT-REZ NANO 175 Conductive Primer in one [1] coat, approximately 4 - 6 mils (265 – 400 sq. feet per mixed gallon (6.5 - 9.8 sq. meters per liter).

Apply with 9 or 18-inch 1/4- or 3/8-inch quality solvent-resistant roller cover. Apply by dip-and-roll, squeegee application is not recommended. Apply at uniform thickness to ensure uniform appearance. Do not exceed recommended application thickness. Beware of depressions in concrete surface where material can accumulate. Material can skin over and not cure completely.

SHELF LIFE

One year 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

- Not for use with **APF StatRez 225, 325, or 935** conventional ATO systems. Unacceptable resistance values will result.
- Prior to application, measure and confirm that ambient temperature and humidity conditions are at least 5°F over dew point.
- Do not apply above recommended maximum thickness. Unacceptable resistance values will result.
- High humidity/low temperature will prolong cure time
- Not for use as a stand-alone product, must be top coated with appropriate Stat-Rez finish product.
- If product must be sanded or otherwise abraded, use caution and control dust. Dust is conductive.

APF STATREZ NANO 175 PDS 09.16.2021

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.