

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 1.25 gallon (4.73L) and 2.5 gallon (9.46L) kits. 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
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VOC	126 g/l
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Solids Content, by Volume	38%
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Surface Resistance (ANSI S7.1)	<5,000 ohms
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Pot Life (77°F/25°C)	1 Hour
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Cure Times (77°F/25°C * & <60% RH)

Dry To Touch	~2 Hours
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Dry to Finish Coat	~6 Hours
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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 Stat-Rez Nano 275, 375 or 975.
- If product must be sanded or otherwise abraded, use caution and control dust. Dust is conductive.

APF STATREZ NANO 175 PDS 01.04.24

STANDARD WARRANTY STATEMENT

ICP Construction, Inc. ("we" "us" or "our"), manufacturer of Arizona Polymer Flooring, warrants that the product is produced within specifications and is free from defects in material only. No warranty shall be in effect until our Terms and Conditions of Sales (<https://www.icpgroup.com/wp-content/uploads/ICP-Group-Terms-and-Conditions-of-Sale.pdf>) are met, including payment and cooperative promotional considerations. We warrant that the covered product is free of defects in material only and suitable for the specified purpose for a period of one (1) year from the date of shipment, provided the product is (a) installed within its published shelf life, in strict conformance with specifications, and (b) handled, stored, mixed, and applied in accordance with our written instructions. It is your responsibility to initiate any claim against this warranty within the time frame specified below. If we determine that the product meets the requirements of this warranty, then we will, at our sole discretion, either refund the purchase price of the product or provide replacement product, in each case not to exceed the affected area as determined by our authorized technical representative. To obtain replacement or refund you must (a) provide timely written notice to us specifying in detail the non-conformity suspected (no later than five (5) working days after discovery), and (b) provide proof of purchase. We reserve the right to inspect the product prior to replacement. EXCEPT FOR THE EXPRESS WARRANTY ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. IN NO EVENT SHALL WE OR OUR AFFILIATES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY NATURE, REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW, INCLUDING, WITHOUT LIMITATION, BREACH OF ANY OBLIGATION OR WARRANTY IMPOSED ON US HEREUNDER OR IN CONNECTION HERewith, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES IN ADVANCE AND EVEN IF A REMEDY SET FORTH HEREIN IS FOUND TO HAVE FAILED OF ITS ESSENTIAL PURPOSE. "CONSEQUENTIAL DAMAGES" SHALL INCLUDE, WITHOUT LIMITATION, LOSS OF USE, INCOME, OR PROFIT, OR LOSSES SUSTAINED AS THE RESULT OF INJURY TO ANY PERSON, OR LOSS OF OR DAMAGE TO ANY PROPERTY (INCLUDING, WITHOUT LIMITATION, PROPERTY HANDLED OR PROCESSED THROUGH THE USE OF THE PRODUCTS), DAMAGES OR LOSSES RESULTING FROM CLAIMS OF OTHER PERSONS AGAINST YOU, OR DAMAGES OR LOSSES SUSTAINED AS THE RESULT OF WORK STOPPAGE, OR REMOVAL AND REPLACEMENT COSTS AND COSTS OF LABOR. IN NO EVENT SHALL OUR LIABILITY ARISING IN CONNECTION WITH OR UNDER THIS WARRANTY (REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW) EXCEED THE AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT ONLY. THIS LIMITED WARRANTY PROVIDES YOUR EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT. If you do not agree with these terms, you may return the product within thirty (30) days of purchase for a full refund, provided the product is not opened, altered, or adulterated in any manner, less any shipping and handling charges of any sort. Use of the product, or retention of the product beyond thirty (30) days, constitutes your acceptance of this limited and exclusive warranty. No customer, distributor, or representative of ours 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 us.

