

PRODUCT DESCRIPTION

APF STAT-REZ ESD NANO 175 Conductive Primer is a two-component, water-based epoxy conductive coating, designed to provide an effective ground plane for APF STAT-REZ ESD NANO WISE Technology[®] electrostatic conductive flooring systems. The complete APF STAT-REZ ESD 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 ESD NANO 175 Conductive Primer is formulated to work in conjunction with APF STAT-REZ ESD NANO 275, STAT-REZ ESD NANO 375 & STAT-REZ ESD NANO 975 to conform to ANSI S20.20 – 2021 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.
- Complies with ANSI S20.20 - 2021 Production Qualification and Performance Verification

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.

COVERAGE

Coverage Rate: 250-400 sqft/gallon (4-6 mils WFT)

CONCRETE MOISTURE

It is the applicators responsibility to 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 system data sheet. Consult APF Technical Service for further information.

TECHNICAL DATA

Mixing Ratio by Volume	Mix Full Kits Only
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VOC	<50 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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Working Time (77°F/25°C)	30 Minutes
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Cure Times (77°F/25°C & <60% RH)	
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Dry To Touch	~2 Hours
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Recoat	~6 - 24 Hours
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Higher temperature and lower humidity will shorten cure time.
Lower temperatures and higher humidity will increase cure time.

If 24 hour recoat window exceeded, substrate recoat preparation required.

GROUNDING

Prior to beginning application, confirm that the grounding points have been placed in accordance with the project specifications is required prior to beginning application.

SURFACE PREPARATION

Concrete must be cured for at least 30 days be clean, structurally sound, and free of wax, loose coatings or curing compounds. Concrete should be properly prepared to achieve a surface Minimum Texture of ICRI/CSP 2-3. Refer to ICRI technical guidelines 310-330 Selecting and specifying concrete surface preparation for sealer, coatings, polymer overlays, and concrete repair. Vacuum the prepared concrete surface to remove all dust. Acid etching is not recommended and will void manufacturers' warranty.

Prime Concrete Surface in accordance with APF Epoxy 400 or APF Vaporsolve Product Data Sheets. Surface must be primed before application.

MIXING

Thoroughly pre-mix part A before adding the part B. Combine components and mix for 2-3 minutes using slow speed drill, scraping the bottom and sides of the mixing container. It is important to NOT whip air into the material while mixing. Material cannot be properly mixed by hand. Apply material immediately after complete mixing.

Do not thin as it will adversely affect conductivity.

APPLICATION

Apply APF STAT-REZ ESD NANO 175 Conductive Primer onto surface in one [1] coat immediately after mixing, at a rate of 250-400 sqft/gallon (4-6 mils WFT)..

Apply using a quality solvent resistant 3/8-inch nap roller cover. 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.

LIMITATIONS

- Concrete surface must be primed before application with APF Epoxy 400.
- Not for use with conventional ATO systems. Unacceptable resistance values will result.
- Before applying, measure and ensure that the ambient temperature is at least 5°F above the dew point. Do not apply above recommended maximum thickness. Unacceptable resistance values will result.

LIMITATIONS (Cont.)

- High humidity/low temperature will prolong cure time
- Not for use as a stand-alone product, must be top coated with Stat-Rez ESD Nano 275, 375 or 975.
- If product must be sanded or otherwise abraded, use caution and control dust. Dust is conductive.
- Use of kerosene or propane forced air heating equipment during application may cause discoloration and finish defects.

SHELF LIFE

Part A: 12 months at 50-85°F { 10-30°C }

Part B: 12 months at 50-85°F { 10-30°C }

*When kept at recommended storage conditions and in original unopened containers. DO NOT ALLOW TO FREEZE. Frozen material is unusable and must be properly disposed of.

HANDLING, SAFETY & STORAGE

- Avoid contact with skin; wear protective gloves. Application personnel must read and fully understand product Safety Data Sheet before using. APF Safety Data Sheets are available at www.apfepoxy.com.
- Store away from heat sources. Store between 50°F and 85°F (10°C-30°C). DO NOT FREEZE. Frozen material is unusable and must be properly disposed of.

APF Stat-Rez_ESD_Nano_175_PDS_11.10.25

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.