

SYSTEM DESCRIPTION

APF STAT-REZ ESD NANO 275 CONDUCTIVE is a four-layer high performance electrically conductive aliphatic polyurethane flooring system consisting of a low viscosity epoxy primer, APF STAT-REZ ESD NANO 175 CONDUCTIVE PRIMER and APF STAT-REZ ESD NANO 275 CONDUCTIVE. The STAT-REZ ESD NANO 275 CONDUCTIVE system is engineered to be installed at 14-19 mil thickness. This system provides a very durable, wear resistant, electrically conductive surface that complies with ANSI S20.20-2021 Product Qualification and Performance Verification requirements.

This system features excellent light reflection, abrasion and scratch resistance, ease of cleaning, and excellent resistance to a broad range of chemicals. STAT-REZ ESD NANO 275 CONDUCTIVE system utilizes the most advanced single-wall graphene nanotube technology available to conform to ANSI 20.20-2021 product qualifications and performance verification requirements. Meets most DOD and military standards.

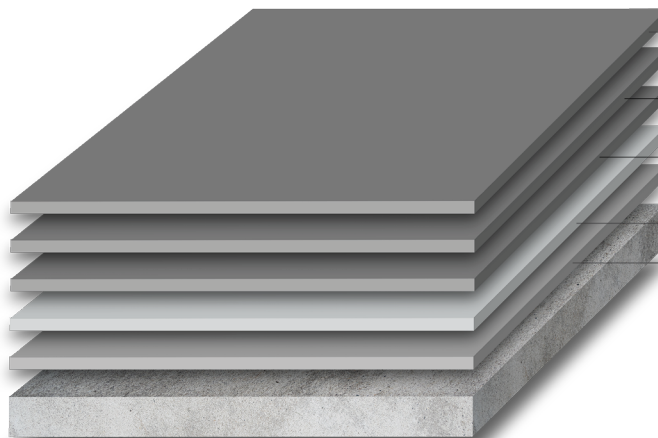
USES

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

ADVANTAGES

- NANO WISE® Technology provides exceptional ESD performance
- Eliminates problems of metal-oxide and carbon fiber products
- Highly reflective, easily cleaned surface
- Resistant to common industrial chemicals
- Monolithic, seamless, non-porous
- Can be metered and certified the next day after application

TYPICAL SYSTEM BUILD



Conductive Finish Coat:
Stat-Rez® ESD Nano 275

Conductive First Coat:
Stat-Rez ESD Nano 275

Conductive Primer:
Stat-Rez ESD Nano 175

Primer: Epoxy 400

Patching, Filling & Moisture Vapor:
Epoxy 300 Flex Paste,
VaporSolve® System

Note: Diagram not to scale

TECHNICAL DATA

Taber Abrasion 1000 g load/ 1000 cycles/CS 17 Wheel (Stat-Rez 275 Finish)	<45mg loss
Electrical Resistance per ANSI S7.1 - 13	2.5×10^4 to 1.0×10^6 Ohms
Body Voltage Generation ANSI ESD 97.1	<15 volts
Meets ANSI S20.20 - 2021 Product Qualification & Compliance Verification	

Refer to product data sheet of individual system component for more information.

COLORS

Black, Buff, Light Gray, Slate, Concrete Gray, Sterling, Blue, Medium Gray.

TYPICAL SYSTEM BUILD

COAT	PRODUCT	THICKNESS/COVERAGE
Patching, Filling & Moisture Vapor	APF Epoxy 300 Flex Paste, APF VaporSolve System	As required
Primer	APF Epoxy 400	200 sq. ft./gallon (8 mils WFT)
Conductive Primer Coat	APF Stat-Rez ESD Nano 175	200-400 sq. ft./gallon (4-8 mils WFT)
Conductive First Coat	APF Stat-Rez ESD Nano 275	200-400 sqft/gallon (4-8 mils WFT)
Conductive Finish Coat	APF Stat-Rez ESD Nano 275	200-400 sq. ft./gallon (4-8 mils WFT)*

*Topcoat coverage determines final texture.

APPLICATION INSTRUCTIONS

1.0 Grounding

Before starting the application, ensure that the grounding points are positioned according to the project specifications.

2.0 Concrete Moisture

It is the applicator's responsibility to test for concrete moisture in accordance with ASTM F2170-19. If moisture is indicated to be more than 85%, apply APF VaporSolve system in accordance with the published system data sheet. Consult APF Technical Service for further information.

3.0 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 Sealers, Coatings, Polymer Overlays, and Concrete Repair." Vacuum the prepared concrete surface to remove all dust. Acid etching is not recommended and will void the manufacturer's warranty.

4.0 Crack Repair

Use Epoxy 300 Flex Paste immediately after mixing. Spread the product using a flat trowel, margin tool, or a broad putty or plaster knife. Gunning is not recommended for this material. Apply it to fill the joint. If the product settles below the concrete surface, add more material to raise it back up. The cured product must be level with the concrete surface. Allow it to cure before applying the final coat.

5.0 Application of Primer Coat

After any patchwork/crack repair has cured, apply one coat of Epoxy 400 after mixing according to the mixing instructions on the applicable product data sheet. Apply material onto the surface immediately after mixing with a squeegee, back roll using a quality solvent resistant 3/8-

inch nap roller cover. Apply at a rate of 200 sqft/gallon at 8 mils WFT. A "wet edge" is recommended when applying the product; do not attempt to roll over material that has begun to set. An applicator wearing spiked shoes will back roll the wet material using a quality solvent-resistant 3/8-inch nap roller cover to distribute the material uniformly. **The material must be thoroughly rolled twice to achieve optimal substrate wetting {using North-South, East-West Method.}** Epoxy 400 must be recoated within a 24-hour recoat window. If this window is exceeded, the surface must be abraded with 80-100 grit to achieve a uniform, gloss-free, and dust-free texture before recoating.

6.0 Application of the Conductive Primer

Apply one coat of Stat-Rez 175 Conductive Primer after mixing it according to the instructions on the applicable product data sheet. Immediately after mixing, use a squeegee to apply the material to the surface, and then backroll it with a quality solvent-resistant 3/8-inch nap roller cover. Apply at a rate of 200-400 sqft/gallon at 4-8 mils WFT. It is recommended to maintain a "wet edge" while applying the product; do not attempt to roll over material that has begun to set. An applicator wearing spiked shoes will back roll the wet material using a quality solvent-resistant 3/8-inch nap roller cover to distribute it uniformly. Stat-Rez 175 Conductive Primer must be recoated within a 24-hour recoat window. If this window is exceeded, the surface must be abraded with 80-100 grit to achieve a uniform, gloss-free, and dust-free texture before recoating.

7.0 Application of the first Conductive Topcoat

Mix the Stat-Rez ESD NANO 275 according to the product data sheet. Apply the material to the surface immediately after mixing with a brush or roller, and backroll using a quality solvent-resistant 3/8-inch nap roller cover at a rate of 200-400 sq. ft./gallon (4-8 mils WFT). DO NOT allow puddling or accumulation in joint areas. A "wet edge" is recommended when applying the product; do not attempt to roll over

APPLICATION INSTRUCTIONS

material that has begun to set. An applicator wearing spiked shoes will back roll the wet material with a quality solvent-resistant 3/8-inch nap roller cover to distribute it uniformly. Observe the recoat time limitation before applying the second coat. Apply a second coat within 24 hours. If the recoat window is exceeded, the surface must be abraded with 80-100 grit to achieve a uniform, gloss-free, and dust-free texture before recoating.

8.0 Application of the Conductive Finish Coat

Mix the Stat-Rez ESD NANO 275 according to the product data sheet. Apply the material to the surface immediately after mixing with a brush or roller, and backroll using a quality solvent-resistant 3/8-inch nap roller cover at a rate of 200-400 sq. ft./gallon (4-8 mils WFT). DO NOT allow puddling or accumulation in joint areas. A "wet edge" is recommended when applying the product; do not attempt to roll over material that has begun to set. An applicator wearing spiked shoes will back roll the wet material with a quality solvent-resistant 3/8-inch nap roller cover to distribute it uniformly.

LIMITATIONS

- Prior to application, measure and confirm that ambient temperature and substrate temperature are at least 5 degrees over the dew point.
- High humidity/low temperature will prolong cure time.
- Use of kerosene or propane forced air heating equipment during application may cause discoloration and finish defects.

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.

APF_Stat-Rez_ESD_Nano_275_Conductive_System_Data_10.07.25

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.