



NovaTuff PC-425 Protective Fountain Coating (formerly AES-425)

PRODUCT INFORMATION SHEET

PRODUCT DESCRIPTION

NovaTuff PC-425 Protective Fountain Coating is a tough and flexible waterproof coating for concrete, metal, wood, and other surfaces. **NovaTuff PC-425 Protective Fountain Coating** is a high-solids polyamide-epoxy resin used in applications where chemical and corrosive resistance is required and where moisture may prevent the use of other coatings.

ADVANTAGES

- Provides a secure barrier to water penetration.
- Rain will not adversely affect coating during application.
- Adheres even to damp surfaces.
- Smooth nonporous surface which allows dirt to wash off for easy cleaning.
- 100% adhesion of product to substrate.
- Retains flexibility in freezing conditions.

TYPICAL USES

NovaTuff PC-425 Protective Fountain Coating is excellent as a waterproofing and protective coating for fountains, tanks, cooling towers, vats, and walls in various applications. **NovaTuff PC-425 Protective Fountain Coating** can be used under constant immersion in water and for applications where movement may prevent the use of other epoxy coatings.

RESISTANCE

- Provides excellent protection against mild acids, bases and petroleum-based products in pH range 5.5 to 9.0.
- Provides excellent protection against salt spray for ocean front properties.
- Does not support the growth of fungi.
- Compatible with industry standard pool chemicals and algaecides.

SURFACE PREPARATION

Surfaces must be cleaned free of grease, oil, films, dust, or any other contaminants. All surfaces must be pressure-washed to remove any barrier films. Metal must be free of mill scale, oils, rust, etc. Hard-finished concrete should be etched to provide profile (or "tooth") for optimal adhesion.

These preparation procedures are general guidelines. Please consult NovaTuff technicians for further details or special preparation procedures. Roofing specifications are also available for various substrates.

Proper inspection and preparation of the substrate to receive NovaTuff Epoxy coating material is critical. Detailed preparation methods are available through SSPC at www.sspc.org or NACE at www.nace.org.



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PRODUCT CHARACTERISTICS

Color and Finish: NovaTuff Standard Colors
Premium Colors Available

Solids: 82% Solids by weight

Mix Ratio: 2:1

PERFORMANCE TESTING RESULTS

Test Name	Test Method	Results
Salt-Fog	ASTM B-117, 500 hours	Pass
Permeance	ASTM D-1653	0 Perms
Water Swelling	ASTM D-471	None
Tensile Strength	ASTM D-638	1700 psi 75% elongation
Adhesion	ASTM D4541 320 psi	Pass
Tear Resistance	ASTM D-624	185 lb/in
Fungi Resistance	ASTM G-21	0 - Pass
Low Temperature Flex	ASTM D-522 -15°F	Pass
Accelerated Weathering	ASTM D-4798 1000 hour	Pass (No cracking or checking)

MIXING

The mixing of parts A & B is very important! **NovaTuff PC-425 Protective Fountain Coating** has a (2:1) mixing ratio of 2 part "B" to 1 part "A". **Agitate Part B separately before combining the two parts.** Pour a measured amount of Part B and Part A into a clean container large enough to hold both components. Add (2) Parts B to (1) Part A then thoroughly mix the two components for at least **five minutes**. To avoid unreacted materials clinging to the edge of mixing container, **transfer mixed material to another clean container and mix for 1 minute.** **Allow idle activation for at least 10 minutes before application.**

APPLICATION

NovaTuff PC-425 Protective Fountain Coating should be applied in well-ventilated areas. Surfaces should be free of foreign matter. DO NOT apply product near an open flame.

NovaTuff PC-425 Protective Fountain Coating can be applied with a brush, 3/8" nap roller, or airless spray equipment that can produce at least 2500 PSI. Surface configuration, weather, or area surroundings will dictate application method.

Note: Maximum time in between coats is 36 hours to achieve good adhesion.

To get dry film of:	Apply Sq. Ft/Gal:
6 mils	200 sq. ft.
12 mils	100 sq. ft.

DO NOT apply product heavier than 16 wet mils per coat on horizontal surfaces and 12 wet mils per coat on vertical surfaces. For a heavier dry film, apply necessary number of coats.

Apply only when air temperature is 40° F and rising with no forecasted freeze or snow for a minimum of 48 hours.

Allow coating to fully cure before filling and introducing pool chemicals.

CURING TIME

Pot Life	1.5 hours @ 80°F
Drying Time	6 hours @ 80°F
Total Cure	7 days @ 80°F

CLEANUP

Clean up mixing and application equipment immediately after use with lacquer thinner, toluene or xylene. Observe all fire and health precautions when handling or storing solvents. Use Apple Cider Vinegar to clean hands and skin. **Do not allow NovaTuff PC-425 Protective Fountain Coating to remain on tools! Once it sets and is cured, it is difficult to remove.**

WARRANTY

NovaTuff Coatings warrants our products to be free of manufacturing defects in accord with applicable quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by NovaTuff Coatings.

NovaTuff Coatings makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. NovaTuff Coatings assumes no responsibilities for injury from the use of this product

NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY NOVATUFF COATINGS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

PACKAGING INFORMATION

3 Gallon Kits	
2 cans containing 1 gallons Base	Part B
1 cans containing 1 gallons Activator	Part A

15 Gallon Kits	
2 pails containing 5 gallons Base	Part B
1 pails containing 5 gallons Activator	Part A

THINNING

Thinning is typically not needed. If thinning is necessary for airless spray applications, add no more than 1 pint of Xylene per 3 gallon kit of **NovaTuff PC-425 Protective Fountain Coating**. **Do not add thinner until after activation is completed.** **Note: Thinning retards cure time and increases possibility of sag.**

STORAGE

Store in accordance with instructions, with seals and labels intact and legible. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. 12 months shelf life is expected for products stored between 40°F (4.5°C) - 100°F (38°C). Do not allow products to freeze.

SAFETY

This product (and any recommended thinners) contains solvents and/or chemical ingredients. Adequate health and safety precautions should be observed during storage, handling, use, and drying periods. For safe usage, user is specifically directed to consult the current Material Safety Data Sheet for this product. When using this product in a confined space or closed area, consult the OSHA or ANSI bulletins on safety requirements.

DISCLAIMER

Refer to the MSDS sheet before use. The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of NovaTuff Coatings. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Published technical data and instructions are subject to change without notice. Contact your local Nova-Tuff distributor or technical representative for additional technical data and instructions.

OSHA Status: This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

Disclaimer: The information and recommendations contained herein are based on data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.