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NovaTuff C-350 Epoxy Joint Sealant Compound (formerly AES-350)

PRODUCT INFORMATION SHEET

PRODUCT DESCRIPTION

NovaTuff C-350 Epoxy Joint Sealant Compound is a polyamide, two-component epoxy base caulking sealant. This compound chemically cures into an elastic and flexible body which will not dry out or harden after curing. It does not oxidize or absorb moisture.

ADVANTAGES

- Impact and abrasion resistant
- Durable, easy to clean
- Chemical resistant
- Interior or exterior use
- Water tight
- Suitable for use in USDA inspected facilities

TYPICAL USES

NovaTuff C-350 is a flexible exterior and interior two-part sealant designed to provide excellent long term protection and waterproofing to expansion joints and seams. **NovaTuff C-350** is intended for use in concrete and asphalt applications. It is ideal for quick repairs, severe environment applications, chemical containment facilities, and in ponding water situations

FEATURES

NovaTuff C-350 has excellent adhesion to all types of metal, concrete, asphalt, wood, and also suitable for a variety of other untested surfaces. **NovaTuff C-350** is non-staining on masonry surfaces, and no primer is required. The product is also very resilient at low temperatures, and has been tested in boiling water for up to 8 hours. **NovaTuff C-350** can be applied in damp areas and in extreme cases underwater.

CHEMICAL RESISTANCE

NovaTuff C-350 is unaffected by jet fuel, gasoline, oil, water caustics, most acids, oil derivatives, and hydrocarbons. For unusual exposures, consult your NovaTuff manufacturer.

SURFACE PREPARATION

Joint surfaces should be free from all grease, oil, dirt, and other contaminants. Remove all scaling paint, loose or heavy chalk, or other contaminants. Concrete expansion joints should have each side mechanically abraded for optimal adhesion. This can be accomplished with a masonry or diamond blade mounted on a circular saw or grinder.

MIXING

The mixing of parts A & B is very important!

NovaTuff C-350 has a mixing ratio of 4 parts "B" to 1 part "A". Use a power mixer to thoroughly mix the fibers into Part B and then to combine both parts. Mix for a minimum of one minute per gallon. Allow idle activation time for a minimum of 15 minutes.



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APPLICATION

NovaTuff C-350 should be applied in well-ventilated areas. Surfaces should be free of foreign matter. DO NOT apply product near an open flame. **NovaTuff C-350** can be applied with a paint brush, spatula or putty knife. Material can be finished with wet hands or tools. For best results as a crack filler, completely fill the crack and overlap on each side by at least 1/2 inch. If necessary, install a backer rod to prevent material from completely passing through the joint. Note: Epoxy materials will appear to be cured and "dry to touch" prior to full chemical cross linking. Allow epoxy to cure 2-3 days prior to exposure to water or other chemicals for best performance.

PRODUCT CHARACTERISTICS

Color and Finish: NovaTuff Standard Colors
Solids: 86% Solids by weight
Mix Ratio: 4:1

PERFORMANCE TESTING RESULTS

Test Name	Test Method	Results
Adhesion	ASTM D4541 Concrete Metal	Pass 1052 psi 2200 psi
Flexibility	ASTM D522	No cracking or failure
Flammability		Self-extinguishing over concrete
Food Contact	FDA 21-CFR 175-300	Compliant
Water Swelling	ASTM D-471 73.4°F 168 hours	Mass% 0.7
Fungi Resistance	ASTM G-21	0 (Pass)
Accelerated Aging	ASTM G-26 1000 Hour	Pass (No Checking or cracking)
Low Temp Flex	ASTM D-522 -15°F	Pass

CURING TIME

Pot Life	1 - 1½ hours @ 80°F
Drying Time	12 hours @ 80°F
Total Cure	7 days @ 80°F

PACKAGING INFORMATION

1 Gallon Kits (80% by volume)	
1 cans containing 0.6 gallons Base	Part B
1 cans containing 0.2 gallons Activator	Part A

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 C-350 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.

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.