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## APPLICATION GUIDELINE:

# NOVATUFF COATING SYSTEM OVER METAL ROOFING WITH EXPOSED FASTENERS

### 10 YEAR WARRANTY SYSTEM

#### GENERAL

The following is a specification only intended for the application of NovaTuff roofing system over metal roofs with exposed fasteners. Each project will have special conditions and these should be identified and addressed in addition to this specification. If in doubt, seek NovaTuff advice before proceeding.

#### QUALITY ASSURANCE

NovaTuff guarantees that the products specified for this application will perform for the warranty period if installed by a NovaTuff certified applicator in compliance with NovaTuff guidelines and material data instructions.

A pre-installation conference, including at least contractor, applicator, architect/engineer and NovaTuff representative, should be held prior to application, to ensure proper substrate and other conditions.

#### INSPECTION

Prior to commencement of work, a thorough inspection of the roof surface should be carried out to determine or confirm the following:

The availability of a satisfactory surface for application.

A positive slope to the roof drainage system and that this system is functioning properly.

The soundness and proper detailing of roof mounted supports, penetrations, flashing, outlets, turn-ups, and all other items that are to be a part of the new, completed roofing system.

The presence of rust or scale, or loose joints or fasteners.

The presence of ponding water and areas at which standing water has previously occurred or is occurring.

The soundness of the existing coating, if the roof has been coated, and the compatibility of the coating and NovaTuff. If in doubt, compatibility should be determined by performing a pull test.

Do not apply NovaTuff roofing product to surfaces that would be considered unsuitable to the manufacturer.

#### PREPARATION

NovaTuff should be installed on a clean, dry and structurally sound surface, free of sharp edges, loose or foreign material, dirt, oil or grease or other materials or debris which may damage the coating.

Protect all adjacent surfaces not designed to receive NovaTuff roofing product.

Repair and/or replace any details, flashing, penetrations or panels found to be suspect. Overlap details onto the existing roofing system three (3) times the diameter of pipe penetrations or a minimum of 10 inches to all sides.

Tighten all loose fasteners, replacing as necessary.

Clean all newly installed metal surfaces, including details, flashing and penetrations with TSP, and all other bare metal surfaces to which NovaTuff will be applied with **NovaTuff P-525 Pre-Prime**. Pressure-wash to complete the cleaning process. Heavy rust or scale may require more than one cleaning and/or use of a rust converter. **NovaTuff P-525** solution and most similar cleaners will prevent the re-occurrence of flash rust for a period of up to 18 hours. All metal surfaces treated with the **NovaTuff P-525** solution or similar cleaner should be coated with NovaTuff within this period to ensure proper bonding.

After preparation is completed coat rusted areas with **NovaTuff P-550 Metal Primer** at the rate of one (1) gallon per 200 square feet (8 wet mils).

Apply a glob of **NovaTuff C-300 Caulking Compound** trowel-grade to all exposed fasteners.

Remove all A/C units and other roof top equipment without a curb that does not provide at least two feet of clearance above the roof surface to permit application below the equipment.

Surfaces displaying any algae growth must be cleaned with bleach and water solution and

thoroughly rinsed before coating.

Do not apply NovaTuff roofing product to surfaces that would be considered unsuitable to the manufacturer.

#### **APPLICATION OF COATING**

Detail **NovaTuff RC-105 Liquid Seam Tape** and fabric components around all penetrations, covering a minimum of six inches up penetration and six inches out onto the roof surface. Apply with brush at the rate of 2 gallons per 100 square feet, lay fabric into wet **NovaTuff RC-105** and saturate top with an additional coat at the rate of 2 gallons per 100 square feet

Using **NovaTuff RC-105 Liquid Seam Tape** seal all vertical seams. Apply a (2) inch wide stripe centered on lap at the rate of 3 gallons per 100 square feet (48 wet mils).

Using six (6) inch wide fabric strips and **NovaTuff RC-105** seal all horizontal laps. Apply with brush at the rate of 1-1/2 gallon per 100 square feet, lay fabric into wet **NovaTuff RC-105** and saturate top with an additional coat at the rate of 1-1/2 gallon per 100 square feet. **NovaTuff RC-105** and fabric components must be centered on panel laps.

Top Coat – Apply **NovaTuff RC-100** Roof Coating at the rate of 1 gallon per 100 square feet (16 wet mils).

Check NovaTuff for correct thickness in a grid pattern every 400 sq. ft. with wet mil gauge to ensure uniform thickness.

#### **NOVATUFF PRODUCTS USED**

NovaTuff RC-100 Roof Coating Part A & B  
 NovaTuff RC-105 Liquid Seam Tape Part A & B  
 NovaTuff C-300 Caulking Compound Part A & B  
 NovaTuff P-525 PrePrime  
 NovaTuff P-550 Metal Primer Part A & B  
 NovaTuff Fabric (6" & 12")

Novasol, Inc. reserves the right to continue to improve the product technology. Information contained in this specification could be superseded by changes in performance characteristics. These changes, should they occur, will not be to the detriment of the product.