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APPLICATION GUIDELINE:

NOVATUFF COATING SYSTEM OVER STRUCTURAL CONCRETE

10 YEAR WARRANTY SYSTEM

GENERAL

The following is a specification only intended for the application of NovaTuff roofing system over the following fully adhered roof membranes: Structural Concrete. 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

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

Clean and prepare all surfaces to receive NovaTuff roofing product by removing all loose flaking particles, grease and other foreign debris with the use of a stiff bristle push broom and a minimum of 3000 psi power wash.

Make all necessary repairs to cracks. For cracks 1/16 of an inch or larger, route out the crack and fill with **NovaTuff C-300 Caulking Compound** or an approved substitute joint sealant (Sika 1A or NP-1). For hairline cracks (less than 1/16 inch) prime with **NovaTuff P-505 Concrete Primer** and pre-stripe with **NovaTuff RC-100**.

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

Prime Coat – Apply **NovaTuff P-505 Concrete Primer** to seal at a rate of 1/2-3/4 gal per 100 square feet (8-12 wet mils) over entire roof surface (rate determined by finish on the concrete).

Where the roof perimeter forms a 90° angle, install 1/2 inch bead of **NovaTuff C-300**, tooling it to form a 45° angle.

Detail **NovaTuff RC-100** and fabric components around all penetrations after **NovaTuff P-505** is applied. Apply a minimum of six inches up penetration and six inches out onto the roof

surface. Apply with brush at the rate of 1 1/2 gallons per 100 square feet, lay fabric into wet **NovaTuff RC-100** and saturate top with additional coating.

Base Coat – Starting at the lowest point, apply **NovaTuff RC-100** at the rate of 1 gal per 100 square feet (16 wet mils), taking care to maintain a uniform thickness over entire roof surface. For all vertical surfaces material should be applied a minimum of ten (10) inches up the vertical surface above the horizontal. In all cases, continue the **NovaTuff RC-100** beyond any underlying **NovaTuff C-300** caulking compound or existing underlying coating for at least four (4) inches.

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

PONDING WATER

For areas of ponding water apply an additional 1 coat of **NovaTuff RC-100** at the rate of 1 gal per 100 square (16 wet mils). Extending coating a minimum of one foot beyond those areas determined in INSPECTION 3.5.

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 C-300 Caulking Compound Part A & B
 NovaTuff P-505 Concrete Primer Part A & B
 NovaTuff Fabric (6", 12", & 40")

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.