TEXAS DEPARTMENT OF INSURANCE

Engineering Services / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION Effective December 1, 2009
RC-242

The following product has been evaluated to withstand the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC). This product shall be subject to reevaluation August 2013.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Uniflex Premium Elastomeric Coating System manufactured by

KST Coatings – A Business Unit of The Sherwin-Williams Company
101 Prospect Ave NW
Cleveland, OH 44115
Telephone: (888) 321-3539
www.uniflexroof.com

is acceptable in designated catastrophe zones along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Uniflex system is a liquid applied roofing and waterproofing system for applications to wood roof decks. The completed system shall have a minimum 40-mil total cured thickness. The components of the system are as follows:

Roof Deck: Minimum $^{19}/_{32}$" plywood deck.
Insulation: None.
Uniflex 41-320 Premium Gray Elastomeric Roof Coating
Uniflex 20-385 Polyester Fabric
Uniflex 41-300 Premium White Elastomeric Roof Coating

LIMITATIONS

Design Wind Pressure: -97.5 psf

Roof Slope: The wood roof deck shall have a minimum slope of $^{1}/_{4}$:12.

Certified applicators: Installation of the Uniflex system shall be by qualified applicators approved and certified by Uniflex.

Application Conditions: Do not apply the Uniflex system if the ambient temperature is expected to fall below 50 degrees Fahrenheit or if rain is expected before the application has time to cure.

INSTALLATION INSTRUCTIONS

General: All International Residential Code (IRC) and the International Building Code (IBC) requirements must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

Roof Framing: Roof framing members shall be in accordance with either the International Residential Code or the International Building Code. The wood framing members (rafters or trusses) shall be spaced a maximum of 24" o.c.

Roof Deck: The roof deck shall be solidly sheathed with minimum $^{19}\!/_{32}$" thick plywood.

Installation Over an Existing Roof Covering: Installation of the Uniflex system over an existing roof covering system is not within the scope of this evaluation report. The Uniflex system may be installed over an existing wood roof deck. The existing wood roof deck must be solidly sheathed. The minimum thickness of the existing wood deck shall be $^{19}\!/_{32}$" plywood. The existing roof covering shall be completely removed. Inspection of the existing wood roof deck shall be made before installation of the Uniflex system. The existing wood roof deck shall be smooth, clean and free of loose particles, cracks, or projections. The installation of the Uniflex system over an existing wood deck shall follow the instructions outlined for a New Wood Deck shown below.

Installation (New Wood Deck):

- Verify that the roof deck has the minimum required slope.
- Verify that the roof does not have ponding water areas.
- The wood roof deck shall be smooth, clean and free of loose particles, cracks, or projections.
- Roof Deck Joints - Apply one coat 41-320 (1 gal/100 ft^2) to deck joints. Brush or roll 6" 20-385 fabric into wet 41-320 coat. Apply additional coat of 41-320 (1 gal/100 $ft^{2)}$ over fabric. Total applied rate of 41-320 coat should yield 32 wet mils (16.6 dry mils).
- Roof Deck Perimeter - Apply one coat 41-320 (1 gal/100 ft^2) to roof perimeter. Brush or roll 12" 20-385 fabric into wet 41-320 coat. Apply additional coat of 41-320 (1 gal/100 $ft^{2)}$ over fabric. Total applied rate of 41-320 coat should yield 32 wet mils (16.6 dry mils).
- Roof Deck - Apply one coat 41-320 (1 gal/100 ft^2) to entire roof deck (spray or roll). Roll 40" 20-385 fabric into wet 41-320 coat. Overlap the fabric a minimum of four inches. Apply additional coat of 41-320 (1 gal/100 $ft^{2)}$ over fabric. Total applied rate of 41-320 coat should yield 32 wet mils (16 dry mils).
- Allow the 41-320 base coat application used on the roof joints, perimeter and deck to dry for a minimum of 24 hours prior to applying the 41-300 top coat.
- Roof Deck - Apply one coat 41-300 (1 ½ gal/100 ft^2) to entire roof deck (spray or roll). Allow the first coat to dry for a minimum of 24 hours prior to second coat. Apply second coat of 41-300 (1 ½ gal/100 ft^2). Total applied rate of 41-300 top coats should yield 24 dry mils.
- The completed Uniflex system shall have a minimum total cured thickness of 40 mils.

Note: The manufacturer's installation instructions shall be on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC).