

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION RC-277

Effective April 1, 2011

*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 **September 2015**.*

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.

ElastiKote Series 1000 Basic Reinforced Liquid Membrane System manufactured by

ElastiKote LLC
1480 Englewood Ave
Akron, OH 44305
Telephone: (800) 992-1053

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 ElastiKote system is a liquid applied roofing system for applications to wood roof decks. The overall thickness of the system shall be 21 dry mils. The components of the system are as follows:

Roof Deck: Minimum $\frac{19}{32}$ " plywood deck.

Insulation: None.

ElastiKote Series 1000 White (1st coat)

Tietex International Style 272-18 gauge Stitchbond 100% Polyester Reinforcement Scrim

ElastiKote Series 1000 White (2nd coat)

ElastiKote Series 1000 White (3rd coat)

LIMITATIONS

Design Wind Pressure: -166.8 psf

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

Application Conditions: Do not apply the ElastiKote system if the ambient temperature is expected to fall below 40 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 $\frac{19}{32}$ " thick plywood.

Installation Over an Existing Roof Covering: Installation of the ElastiKote system over an existing roof covering system is not within the scope of this evaluation report. The ElastiKote 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 $\frac{19}{32}$ " plywood. The existing roof covering shall be completely removed. Inspection of the existing wood roof deck shall be made before installation of the ElastiKote system. The existing wood roof deck shall be smooth, clean and free of loose particles, cracks, or projections. The installation of the ElastiKote 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.

1st Coat: Apply an initial coat of ElastiKote 1000 White resin over the entire roof surface at a minimum rate of 1.0 gallons per square (14 wet mils).

Reinforcing Scrim: Tietex International Ltd. Style 272 -18 gauge Stitchbond 100% polyester reinforcement scrim embedded in ElastiKote Series 1000 White by roller pressure with 3" longitudinal overlaps.

2nd Coat: Apply an second coat of ElastiKote 1000 White resin over the entire roof surface at a minimum rate of 0.5 gallons per square (7 wet mils). Allow this coat to dry, 1-4 hours.

3rd Coat: Apply ElastiKote 1000 White resin perpendicular to the previous coast over the entire roof surface at a rate of 1.5 gallons per square (21 wet 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).