

Product Evaluation

RC646 | 0421

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

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.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: RC-646

Effective Date: April 1, 2021

Re-evaluation Date: April 2025

Product Name: Hykote™ Series 1000 Liquid Membrane Roof Covering System Applied Over a Plywood Deck

Manufacturer: Blair Rubber Company
5020 Enterprise Parkway
Seville, OH 44273
(800) 321-5583

General Description:

Components:

Hykote™ 1000. A ready to use, single component, flexible, watertight, fluid applied styrene ethylene butylene styrene (SEBS) liquid membrane.

TIETEX International Ltd Style 272 Stitchbond Polyester. An 18-gauge soft polyester that readily conforms to irregular surfaces. Used as the reinforcing fabric.

Limitations:

Design Wind Pressures: The fluid applied reinforced roofing system, when installed in accordance with this evaluation report, must have the allowable uplift wind pressure specified in each assembly of this evaluation report.

Application Conditions: Do not apply fluid applied reinforced roofing system if the ambient temperature is expected to fall below 40 degrees F.

Installation:

General: Satisfy all IRC and IBC requirements, and follow the manufacturer's installation instructions, unless otherwise specified by this product evaluation.

Roof Deck: Surfaces must be thoroughly dry. Remove dirt or dust that settles on surfaces before the start of work. Sweeping or blowing may be sufficient; however, power washing may be required. Clean the substrate to remove all surface contaminants according to the manufacturer's current published application instructions. Refer to the manufacturer's published installation instructions for additional application details.

Assemblies:**Assembly 1**

Design Pressure: -159.3 psf

Substrate: Plywood; minimum 15/32"

1st Coat: Hykote™ Series 1000; roller applied; 14 mils wet thickness; Applied at 1.0 gallon per 100 sq ft.

Reinforcement: TIETEX International Ltd; Style 272 18-gauge Stitchbond; 100 percent Polyester Reinforcement; 40" width; Apply with 3" longitudinal overlaps; Embedded in the 1st coat of Hykote 1000 by roller pressure

2nd Coat: Hykote™ Series 1000; Scrim encapsulation coat; roller applied; 7 mils wet thickness; Apply at 0.5 gallon per 100 sq ft.

3rd Coat: Hykote™ Series 1000; Liquid wear topcoat; roller applied; 21 mils wet thickness; 1.5 gallon per 100 sq ft.

Installation: Application must be made by a Hykote™ certified applicator. Apply in accordance with the manufacturer's installation instructions. Allow the reinforcing fluid application to dry before applying the 3rd and final coat. Always use a new roller for each coating application. Allow the system to properly dry before allowing foot traffic.

Note: Keep the manufacturer's installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.