

Product Evaluation

RC464 | 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-464

Effective Date: April 1, 2021

Re-evaluation Date: April 2025

Product Name: Thermotek USA Single Ply Membrane Roofing

Manufacturer: Pinturas Termicas Del Norte SA DE CV
Aaron Saenz 1902
Colonia Santa Maria
64650 Monterrey, Mexico
52(81)50003073

General Description:

Thermotek USA Base Sheet Smooth 2.0: Thermotek USA 2.0 Smooth is a bitumen membrane modified with APP (polypropylene atactic).

Thermotek USA Pro FP: Thermotek USA Pro FP is an asphalt membrane modified with APP. The upper side has fired ceramized gravel, sand or polyethylene finish and a lower finish of polyethylene.

Thermotek USA Pro FP: Thermotek USA Pro FP is an asphalt membrane modified with APP. The upper side has gravelly, sand or polyethylene finish and a lower finish of polyethylene.

Limitations:

Roof Slope: The roof deck must be provided with positive drainage. A minimum roof slope after construction of 1/4:12 is recommended.

Installation:

General: Manufacturer's installation instructions must be followed, unless otherwise specified by this product evaluation. All edge, corner, and penetration flashing must be installed according to the manufacturer's installation instructions. All fasteners must be corrosion resistance as specified in the IRC and the IBC.

Assembly No. 1 – Wood Deck

Design Wind Pressure: -135 psf

Roof Deck: The roof deck must consist of minimum 15/32" plywood.

Barrier Board: G-P Gypsum DensDeck Roofboard, 1.5" thick.

Base Sheet: Thermotek USA Base Sheet 2.0 Smooth, mechanically fastened.

Fasteners: No. 12-13 x 4" long steel screws with 3" diameter coated steel round fasteners. The fasteners are located as follows: four (4) evenly spaced (7" o.c.) staggered rows of fasteners spaced 14" o.c. in the field and spaced 7" o.c. in the lap. The fasteners are securing the base sheet and the barrier board to the plywood.

Primer (Optional): Asphalt Primer ASTM D41/D41M – 11; applied at 1 gallon per 100 square feet.

Membrane: Thermotek USA Prof FP 3.0, 3.5, 4.0 or 5.0 mm or Thermotek USA STD FP 3.0, 3.5, 4.0 or 5.0 mm, heat fused in place.

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.