



Product Evaluation

RC461| 0915

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-461

Effective Date: September 1, 2015

Re-evaluation Date: May 2017

Product Name: TX APP TORCH and TX SBS COLD Modified Membrane Roof Coverings

Manufacturer: Texas Import and Distribution
6700 Main Street
Suite 125
The Colony, TX 75056
(972) 822-1482

General Description:

TX SBS GT 4.2: SBS modified bitumen membrane with granule surface, reinforced with a non-woven polyester mat. The bottom layer is a polyethylene film.

TX SBS COLD G 4.2: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with sand.

TX SBS GT 180: SBS modified bitumen membrane with granule surface, reinforced with a non-woven polyester mat. The bottom layer is a polyethylene film.

TX SBS COLD G 180: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Polyethylene film free in the bottom layer. Coated on the top and bottom with sand.

TX SBS ST 170: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with a polyethylene film.

TX SBS COLD S 170: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with sand.

TX SBS ST 160: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with a polyethylene film.

TX SBS COLD S 160: SBS modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with sand.

TX APP TORCH GT 4.2: APP modified bitumen membrane with granule surface, reinforced with a non-woven polyester mat. The bottom layer is a polyethylene film.

TX APP TORCH Gt 180: APP modified bitumen membrane with granule surface, reinforced with a non-woven polyester mat. The bottom layer is a polyethylene film.

TX APP TORCH ST 170: APP modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with a polyethylene film.

TX APP TORCH St 160: APP modified bitumen membrane, reinforced with a non-woven polyester mat. Coated on the top and bottom with a polyethylene film.

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 Installation Requirements: 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, the IBC, and the Texas Revisions.

Assembly No. 1 – Concrete Deck

Design Wind Pressure: -495 psf

Roof Deck: The roof deck must consist of new structural concrete.

Primer: Concrete primer must comply with ASTM D41.

Base Ply: TX SBS COLD S 170 or TX SBS COLD 160 fully adhered with Lucas #734 Modified Bitumen Adhesive Brush Grade at a rate of 2 to 2.5 gal/sq.

Optional Ply: TX SBS COLD S 170 or TX SBS COLD S 160, fully adhered with Lucas #734 Modified Bitumen Adhesive Brush Grade at a rate of 2 to 2.5 gal/sq.

Cap Ply: TX SBS COLD G 4.2 Blank Smooth, TX SBS COLD G 4.2 White Smooth, TX SBS COLD G 180 Blank Smooth or TX SBS COLD G 180 White Smooth, fully adhered with Lucas #734 Modified Bitumen Adhesive Brush Grade at a rate of 2 to 2.5 gal/sq.

Assembly No. 2 – Concrete Deck**Design Wind Pressure:** -495 psf

- Roof Deck: The roof deck must consist of new structural concrete.
- Primer: Concrete primer must comply with ASTM D41.
- Base Ply: TX SBS ST 170 or TX SBS ST 160, torch adhered
- Optional Ply: TX SBS ST 170 or TX SBS ST 160, torch adhered
- Cap Ply: TX SBS GT 4.2 Black Film, TX SBS GT 4.2 White Film, TX SBS GT 180 Black Film or TX SBS GT 180 White Film, torch adhered

Assembly No. 3 – Concrete Deck**Design Wind Pressure:** -495 psf

- Roof Deck: The roof deck must consist of new structural concrete.
- Primer: Concrete primer must comply with ASTM D41.
- Base Ply: TX APP TORCH ST 170 or TX APP TORCH ST 160, torch adhered
- Optional Ply: TX APP TORCH ST 170 or TX APP TORCH ST 160, torch adhered
- Cap Ply: TX APP TORCH GT 4.2 Black Film, TX TORCH APP GT 4.2 White Film, TX APP TORCH GT 180 Black Film or TX APP TORCH GT 180 White Film, torch adhered

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