

Product Evaluation

RC614 | 0724

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-614

Effective Date: July 1, 2024

Re-evaluation Date: July 2028

Product Name: WaterGuard Self-Adhered SBS Cap and Base Sheets Modified Bitumen Roof Systems

Manufacturer: G.A.P. Roofing, Inc.
4444 Hunt Street
Pryor, OK 74361
(800) 880-9808

General Description:

GAP WaterGuard Self-Adhered SBS CAP Sheet: GAP WaterGuard Self Adhered SBS Cap Sheet is an SBS-modified fiberglass cap sheet used as the surface membrane on a roof system. GAP WaterGuard Self Adhered SBS Cap Sheet is manufactured on a fiberglass mat that is impregnated and coated on both sides with an SBS-modified bituminous coating. GAP WaterGuard Self Adhered SBS Cap Sheet is coated with color-coated granules for ultraviolet protection and weather ability. The bottom surface is coated with an aggressive self-adhering bonding compound and covered with a split-surface release film to allow for easy use and application.

GAP WaterGuard Self-Adhered SBS Base Sheet: GAP Roofing WaterGuard Self-Adhered SBS Base Sheet is a highly flexible dual coated SBS modified capsheet constructed with fiberglass mat, self-adhering adhesive, a split removable release film on the adhesive side. This product is typically used as the base ply in a 2-ply low slope membrane roofing system along with our GAP Roofing WaterGuard Self-Adhered Cap Sheet and in other cold applied built up roofing systems.

Limitations:

Roof Framing: Roof framing shall be as specified in each assembly listed in this evaluation report.

Positive Drainage of Roof Deck: Roof decks, in which this product is to be installed upon, must be provided with positive drainage. A minimum roof slope after construction of 1/4" per foot is required.

Design Wind Pressures: The design wind uplift pressures shall be as specified in the assemblies listed in this evaluation report.

Installation:

General: IRC and IBC requirements must be satisfied, and the manufacturer's installation instructions followed, unless otherwise specified by this product evaluation report.

Fastener Penetration: Fasteners specified in the assemblies listed in this evaluation report must be long enough to penetrate through the roof deck.

Installation: Installation must be in accordance with the following assemblies. Refer to the manufacturer's specifications for additional installation requirements.

Assembly No. 1

Design Pressure: -120 psf

Deck: Minimum 15/32" span-rated plywood sheathing supported by wood framing spaced at 24 inches on center.

Primer: ASTM D 41, Type I Primer, applied at a rate of 0.75 gal./100ft².

Base Sheet: WaterGuard Self-Adhered SBS Base Sheet (Film), self-adhered and fully bonded with a 3" side lap.

Membrane: WaterGuard Self-Adhered SBS Cap Sheet, self-adhered and fully bonded with a 3" side lap.

Assembly No. 2

Design Pressure: -52 psf

Deck: Minimum 15/32" span-rated plywood sheathing supported by wood framing spaced at 24 inches on center.

Primer: ASTM D 41, Type I Primer, applied at a rate of 0.75 gal./100ft².

Base Sheet: WaterGuard Self-Adhered SBS Base Sheet (Sanded), self-adhered and fully bonded with a 3" side lap.

Membrane: WaterGuard Self-Adhered SBS Cap Sheet, self-adhered and fully bonded with a 3" side lap.

Assembly No. 3

- Design Pressure: -120 psf
- Deck: Minimum 15/32" span-rated plywood sheathing supported by wood framing spaced at 24 inches on center.
- Base Sheet: WaterGuard Self-Adhered SBS Base Sheet (Film), self-adhered and fully bonded with a 3" side lap.
- Membrane: WaterGuard Self-Adhered SBS Cap Sheet, self-adhered and fully bonded with a 3" side lap.

Assembly No. 4

- Design Pressure: -52 psf
- Deck: Minimum 15/32" span-rated plywood sheathing supported by wood framing spaced at 24 inches on center.
- Base Sheet: WaterGuard Self-Adhered SBS Base Sheet (Sanded), self-adhered and fully bonded with a 3" side lap.
- Membrane: WaterGuard Self-Adhered SBS Cap Sheet, self-adhered and fully bonded with a 3" side lap.

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