

Product Evaluation

RC03 | 1220

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-03

Effective Date: December 1, 2020

Re-evaluation Date: December 2024

Product Name: TAMKO Low Slope Roofing Products

Manufacturer: TAMKO Building Products LLC
P.O. Box 97
Galena, KS 66739-0097
(800) 641-4691

General Description:

SA Cap - Polyester reinforced, styrenic block copolymer, self-adhered, granule-surfaced roofing membrane.

SA Base – Fiberglass reinforced, styrenic block copolymer, self-adhered base sheet.

Limitations:

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. If a non-structural sheathing (insulation or gypsum board) is used, then the length of the fasteners used to secure the roof components must be increased by the thickness of the non-structural sheathing

Roof decks on which these products are installed must be provided with positive drainage. A minimum roof slope after construction of 1/4" per foot is recommended.

Table 1: Wind Uplift Performance- Mechanically Attached Base Sheet								
Assembly No.	Substrate	Insulation Layer(s)		Gypsum Board	Roof Cover			
		Type	Attachment		Base Sheet	Fasteners	Ply Sheet	Cap Sheet
1	15/32" plywood	N/A	N/A	N/A	SA Base	Ring Shank 1-1/4" long galvanized cap nails (12 gauge) with 1" diameter galvanized metal cap (19 gauge)	N/A	SA Cap
Design Pressures		Base Sheet Fastener Spacing						
-45 psf		8" on center at the seams and 8" on center in two (2) evenly spaced, staggered rows in the field						

Table 1: Wind Uplift Performance- Mechanically Attached Base Sheet								
Assembly No.	Substrate	Insulation Layer(s)		Gypsum Board	Roof Cover			
		Type	Attachment		Base Sheet	Fasteners	Ply Sheet ³	Cap Sheet
2	15/32" plywood	N/A	N/A	N/A	SA Base	Ring Shank 1-1/4" long galvanized cap nails (12 gauge) with 1-5/8" diameter tin tabs (32 gauge)	(Optional) SA Base	SA Cap
Design Pressures		Base Sheet Fastener Spacing						
-52.5 psf		6" on center at the seams and 6" on center at three (3), equally spaced, staggered rows in the field						

Table 1: Wind Uplift Performance- Mechanically Attached Base Sheet								
Assembly No.	Substrate	Insulation Layer(s)		Gypsum Board	Roof Cover			
		Type	Attachment		Base Sheet	Fasteners	Ply Sheet ³	Cap Sheet
3	15/32" plywood	Minimum 1/2" thick isocyanurate insulation	Loose laid	N/A	SA Base	Firestone Insulation fastening plate and 2-7/8" All Purpose Fasteners	(Optional) SA Base	SA Cap
Design Pressures		Base Sheet Fastener Spacing						
-52.5 psf		8" on center at the seams and 8" on center at two (2), equally spaced, staggered rows in the field						

Table 2: Wind Uplift Performance- Self-Adhered Base Sheet								
Assembly No.	Substrate	Insulation Layer(s)		Gypsum Board	Roof Cover			
		Type	Attachment		Base Sheet	Fasteners	Ply Sheet	Cap Sheet
4	15/32" plywood; Primed with ASTM D 41 Type I Primer; Applied at a rate of 0.75 gal/100 sf	N/A	N/A	N/A	SA Base	N/A	N/A	SA Cap
Design Pressures		-67.5 psf						

Table 2: Wind Uplift Performance- Self-Adhered Base Sheet								
Assembly No.	Substrate	Insulation Layer(s)		Gypsum Board	Roof Cover			
		Type	Attachment		Base Sheet	Fasteners	Ply Sheet ³	Cap Sheet
5	15/32" plywood; Primed with ASTM D 41 Type I Primer; Applied at a rate of 0.75 gal/100 sf	N/A	N/A	N/A	SA Base	N/A	(Optional) SA Base	SA Cap
Design Pressures		-105 psf						

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