SA Vapor Retarder Data Sheet

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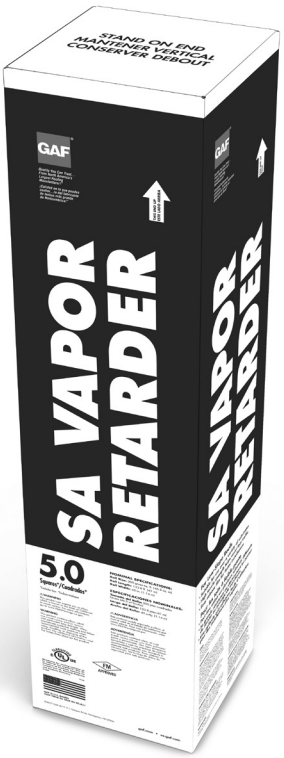
SA VAPOR RETARDER



Description
GAF SA Vapor Retarder is an SBS modified bitumen vapor retarder for use in approved GAF roof assemblies. GAF SA Vapor Retarder is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen in combination with a high tack self-adhesive. The topside is surfaced with high-strength tri-laminate polyethylene film and the underside is surfaced with protective polyolefin release film that is removed during application.

Uses
GAF SA Vapor Retarder may be applied to:

- Steel
- Plywood
- Gypsum
- Concrete

Advantages
- 45" (1.1 m) roll provides increased coverage across roof deck
- Easy-to-peel release film for faster installation
- Durable top surface protects roof from inclement weather
- High tensile strength provides resistance to foot traffic

Application:
GAF SA Vapor Retarder can be applied at temperatures between 50°F (10°C) and 100°F (38°C). All substrates except metal decks must be primed. Vapor retarder should be installed with minimum 3" (76.2 mm) side laps and 6" (152.4 mm) end laps.

Applicable Standards
- FM Approved
- UL Listed
- State of Florida approved

Product Specifications (nominal)	
Roll size	5 squares (502.5 gross sq. ft.) (46.68 m^2)
Roll Length	134' (40.8 m)
Roll Width	45" (1.1 m)
Approx. Roll Weight	80 lb. (36.4 kg)

Typical Physical Properties			
Property	**MD Value**	**XMD Value**	**Test Method**
Thickness, mils (mm)	31 (0.8)	31 (0.8)	ASTM D5147
Tensile strength, lbf/in (kN/m)	54 (9.5)	74 (13)	ASTM D5147
Ultimate elongation @ 73.4°F (23°C), %	33	25	ASTM D5147
Tear resistance, lbf (N)	95 (423)	103 (458)	ASTM D1970
Static puncture, lbf (N)	90 (400)	90 (400)	ASTM D5602
Lap adhesion, lbf/ft (N/m)	68 (1000)	68 (1000)	ASTM D1876
Water absorption, %	0.1	0.1	ASTM D5147
Peel resistance, lbf/in (N/m)	5.4 (950)	5.4 (950)	ASTM D903
Cold bending, °F (°C)	-58 (-50)	-58 (-50)	ASTM D5147
Water vapor permeance, perm (ng/Pa.s.m^2)	0.03 (1.7)		ASTM E96
Air permeability, L/s•m^2	< 0.001		ASTM E283