

GAF SAVaporRetarderXL

Self-Adhered Vapor Retarder



Description:

GAF SA Vapor Retarder XL is a self-adhered, vapor-inhibiting membrane designed for use in approved roofing membrane assemblies. It's composed of a tri-laminated woven polyethylene facer combined with an advanced, high-tack adhesive. The under-face is applied with a split silicone release film that is removed during installation. This uniquely durable product exhibiting high-tensile strength can be left exposed for up to 180 days when installed in accordance with published GAF specifications and details.*

Application:

GAF SA Vapor Retarder XL can be applied at temperatures as low as 25°F (-3.9°C) provided that the product has been stored in a heated area to ensure it is between 50°F - 100°F (10°C - 37.7°C) at time of installation. It is recommended that GAF SA Vapor Retarder XL be installed with minimum 3" (76.2 mm) side laps and 3" (76.2 mm) end laps.

Applicable Standards:

- ASTM D5147, ASTM E2178, ASTM E96
- ASTM E108 Class A and FM 4470 Class 1 Fire Ratings directly over steel deck.[§]
- Classified by UL in accordance with ANSI/UL 790. Refer to UL Product iQ for specific assemblies

Features and Benefits:

- Designed to be self-sealing.
- Increased adhesion performance provides three times the peel strength compared to self-adhered modified bitumen vapor barriers.
- Use of a primer prior to installation is NOT required.
- Slip-resistant embossed walking surface.
- Extra-large roll size (603 square feet) results in fewer rolls and fewer field seams per job.
- Easy-to-peel, split-release film speeds the application process.
- Standard thickness is 31 mils; also available in 41 mils (contact your local GAF representative for details).
- Direct attachment at curbs and walls on TPO applications (refer to application instructions for approved adhesives).

Applicable Substrates:

GAF SA Vapor Retarder XL is designed to be applied to a variety of properly prepared decks or substrates:

- Steel
- Plywood/OSB
- Gypsum Roof Boards
- Concrete

* Refer to the appropriate application and specifications manual for the system being installed. Available at gaf.com.
[†] Values stated are approximate and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide.
[‡] Thicker/heavier product available by special request only and sold as SA Vapor Retarder XL40.
[§] Refer to www.RoofNav.com for actual assemblies.

Product Specifications (approximate [†])			
	Standard XL roll	XL 40 roll	
Thickness	31 mils	41 mils	
Roll weight	97 lb.	129 lb.	
Rolls size	6 Squares		
Roll length	125 ft.		
Rolls Per Pallet	12 rolls	20 rolls	
Roll width	58"		
Shelf life	18 Months from the date of manufacture when stored properly		
Property	MD Value	XMD Value	Test Method
Thickness, mils (mm)	31 (.79)		ASTM D1970
Thickness [‡] , mils (mm)	41 (1.04)		ASTM D1970
Tensile strength, min. lbf/in (kN/m)	70 (12.3)	70 (12.3)	ASTM D5147
Ultimate elongation @ 73.4°F (23°C), min. %	31	31	ASTM D5147
Tear resistance, min. lbf (N)	95 (423)	110 (489)	ASTM D5147
Static puncture, min. lbf (N)	90 (400)	90 (400)	ASTM E154
Lap adhesion, min. lbf/ft (N/m)	24 (350)	24 (350)	ASTM D1876
Water absorption, min. %	0.01	0.01	ASTM D5147
Peel resistance on steel, min. lbf/in (N/m)	25 (4.378)		ASTM D903
Cold bending, max. °F (°C)	-30 (-34.4)		ASTM D5147
Water vapor permeance, max. perm (ng/Pa.s.m ²)	0.03 (1.7)		ASTM E96
Air permeability, max. L/s.m ²	0.001		ASTM E2178



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