

GAF SAVaporRetarderXL

Self-Adhered Vapor Retarder



Product 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 butyl rubber 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.*

Features and Benefits:

- ASTM E108 Class A and FM 4470 Class 1 Fire Ratings directly over steel deck****
- 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
- HD ISO
- Concrete

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

* 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 (41 MILS)
THICKNESS	31 mils	41 mils
ROLL WEIGHT	97 lb.	129 lb.
ROLLS SIZE	6 squares	
ROLL LENGTH	105'	
ROLL WIDTH	69"	

Product Specifications (approximate**)

PROPERTY	MD VALUE	XMD VALUE	TEST METHOD
Thickness, mils (mm)	31 (.79)		ASTM D1970
Thickness***, mils (mm)	41 (1.04)		ASTM D1970
Min. Tensile strength, lbf/in (kN/m)	70 (12.3)	70 (12.3)	ASTM D5147
Min. Ultimate elongation @ 73.4°F (23°C), %	31	31	ASTM D5147
Min. Tear resistance, lbf (N)	95 (423)	110 (489)	ASTM D5147
Min. Static puncture, lbf (N)	90 (400)	90 (400)	ASTM E154
Min. Lap adhesion, lbf/ft (N/m)	24 (350)	24 (350)	ASTM D1876
Min. Water absorption, %	0.01	0.01	ASTM D5147
Min. Peel resistance on steel, lbf/in (N/m)	25 (4,378)		ASTM D903
Max. Cold bending, °F (°C)	-30 (-34.4)		ASTM D5147
Max. Water vapor permeance, perm (ng/Pa.s.m²)	0.03 (1.7)		ASTM E96
Max. Air permeability, L/s.m²	0.001		ASTM E2178



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