



SA Flex Vapour Barrier

PRODUCT DESCRIPTION

SA Flex Vapour Barrier is a Styrene-Butadiene-Styrene (SBS) modified metal lined membrane design to stop water vapour from entering the roof system causing condensation.

FEATURES AND BENEFITS

High-Tech Formulation

The SA Flex Vapour Barrier has a high percentage of SBS rubber, high-strength fibre-glass reinforcement and monolithic aluminium foil throughout.

Ultimate Vapour Barrier

The aluminium foil placed within the membrane offers the ultimate in vapour blocking and therefore condensation building up in the roofing system.

Superior Strength

The SA Flex Vapour Barrier membrane is reinforced with a high-strength fibreglass scrim. The superior strength provided by this reinforcement resists the movement created by today's modern buildings and has excellent dimensional stability.

Advanced Rubber Technology

When the SBS rubber is properly dispersed throughout the high penetration asphalt, the rubber provides increased thermal shock resistance, UV protection, heat resistance, elongation, and low temperature flexibility. To ensure proper dispersion, a special high shear mixer is used in manufacturing.

USES

SA Flex Vapour Barrier is used as a VCL layer for any of Garland's torch-applied or self-adhesive membranes where you wish to prevent water vapour from entering the roof system. It is fully compatible with SBS modified membranes.

APPLICATION INSTRUCTIONS

The laying deck shall be clean, smooth and dry. Substrates must be primed with Garland SA Contact Primer prior to application. The membrane is then laid by removing the silicone release film from the lower side of the membrane and laying onto the primed substrate. Edges shall be overlapped, by at least 75mm on the sides and 150mm at the head laps so that waterproofing integrity is maintained.

Refer to specific specifications provided by your Regional Technical Manager.

TECHNICAL DATA

Reinforcement type:

High strength fibre-glass.

Compound type:

Bitumen modified with thermoplastic rubber (SBS).

Surface finishing:

Upper side: Textured polypropylene film.

Lower side: Adhesive compound.

Laying method:

For lower side finishing with adhesive polymers: Cold application.

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Characteristic	Test Method	Expression of result	Value	Units	Tolerance
Length	EN 1848-1	MLV	10	m	
Width	EN 1848-1	MLV	1	m	
Thickness	EN 1849-1	MDV	3	mm	± 10%
Weight	EN 1849-1	MDV	4	Kg/m ²	± 10%
Watertightness	EN 1928:2000 Method B	PASS	60	kPa	
Reaction to fire	EN 13501-1	EN 13501-1	Euroclass F	-	
Peel resistance of joint	EN 12316-1	MDV	-	N/50 mm	± 20 %
Maximum tensile force	EN 12311-1	MDV	1200/1200	N/50 mm	± 20 %
Elongation	EN 12311-1	MDV	4/4	%	± 10 %
Resistance to impact	EN 12691 Method A	MLV	-	mm	
Resistance to static loading	EN 12730	MLV	-	Kg	
Resistance to tearing (nail shank)	EN 12310-1	MDV	200/200	N	± 10 %
Dimensional stability	EN 1107-1	MLV	NPD	%	
Flexibility at low temperature	EN 1109	MLV	-20	°C	
Flow resistance at elevated temperature	EN 1110	MLV	100	°C	
Softening point of bitumen	ASTM D36	MDV	130	°C	
Water vapor transmission properties	EN 1931	μ = MDV or 20,000	1,500,000	-	

For specific application recommendations, please contact your regional Garland Technical Manager or the Garland Technical Department.