Torch Flex Vapour Barrier *4-105*

Technical Data Sheet

Product Description

Torch 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. The Torch Flex Vapour Barrier has a high percentage of SBS rubber which when fused together with the torch applied membrane gives the system superior puncture and abrasion resistance. It also has high tensile and elongation characteristics.

Features:

- ✓ High-tech formulation
  - The Torch Flex Vapour Barrier has a high percentage of SBS rubber which when fused together with the torch applied membrane gives the system superior puncture and abrasion resistance. It also has high tensile and elongation characteristics.
- ✓ Eliminates use of two ply underlayment
  - Because the Torch Flex Vapour Barrier is 3.0 mm thick, one ply will be sufficient as the underlayment for torch applied membrane.
- ✓ Superior strength
  - The Torch Flex Vapour Barrier membrane is reinforced with a dual fibreglass scrim. The superior strength provided by this reinforcement resists the movement created by todays 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

Torch Flex Vapour Barrier is used as the underlayment ply for any of Garlands torch-applied 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. For a better adhesion it may be previously treated either with Garland Garla-Prime. The membrane is then laid by melting the lower side with light propane gas flame. Edges shall be overlapped, always by torch, by at least 75mm on the sides and 100mm at the head laps so that waterproofing integrity is maintained. For further application information please refer to specific specifications provided by your Garland Technical Manager.

Technical Data

Reinforcement type:	Aluminium and fibreglass mesh
Compound type:	Bitumen modified with thermoplastic rubber (SBS).
Surface finishing:	Upper side: Textured polypropylene film.
Lower side:	PE film
Laying method:	For lower side finishing with polymeric films: Propane-gas light flame

If you require any further information please contact your local Garland Technical Manager.

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Properties	Norms	Unit	Value	Tolerance
Physical Data				
Type of compound			SBS	
Type of reinforcement			Aluminium +Fibreglass mesh	
Finish upper face			Tnt	
Finish lower face			Film pe	
Length	EN 1848-1	m	10	±1%
Width	EN 1848-1	m	1	±1%
Thickness	EN 1849-1	mm	3	±5%
Mechanical Data				
Watertightness	EN 1928	kPa	60	≥
Cold temperature flexibility	EN 1109	°C	-20	≤
Visible defects	EN 1850-1		NO	
Flow resistance	EN 1110	°C	100	≤
Tensile strength L	EN 12311-1	N/5 cm	1400	±20%
Tensile strength T	EN 12311-1	N/5 cm	1400	±20%
Elongation at break L	EN12311-1	%	4	±15 ABS
Elongation at break T	EN 12311-1	%	4	±15 ABS
Nail tear strength L	EN12310-1	N	200	±30%
Nail tear strength T	EN12310-1	N	200	±30%
Static puncture resistance	EN 12730	kg	15	≥
Dynamic puncture resistance	EN 12691	mm	900	≥
Fire Performance				
Fire resistance	EN 13501-5		F ROOF	
Fire reaction	EN 13501-1		F	
Application Data				
Minimum application temp		°C	5	
Minimum slope		%	1.5	

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