



Torch Flex Ultra-Vent

PRODUCT DESCRIPTION

Torch Flex Ultra-Vent is a high performance torch applied underlay, utilising adhesive strips on the underside, which allow for trapped vapour to disperse throughout the roof system.

FEATURES AND BENEFITS

Torch Flex Ultra-Vent has been developed to combine modern polymer technology with proven roof design for torch applications.

Torch Flex Ultra-Vent is a high performance torch base sheet, which utilises elasto-plastomer low melting adhesive stripes on the underside that when bonded to the top of the insulation boards, allow any trapped vapour to evenly disperse throughout the Ultra-Vent underlay membrane, therefore eliminating the build up of pressure within the system which would otherwise ultimately creating a blister.

The unique adhesive qualities of the thermo-plastic bitumen strips also ensure bonding qualities equal to that of a traditional roofing system using conventional venting underlays.

The underside of the membrane is coated with a light burn off backer, which identifies the correct application temperature to the installer; therefore leaving the areas between the thermo-plastic adhesive clear of any bitumen or bleed out, allowing the sheet to 'breathe' or vent. By using Garland's Torch Flex Ultra Bond metal lined vapour barrier in conjunction with Torch Flex Ultra-Vent and StressPly® membranes we are able to create a roof system that has a reduced installation cost but does not compromise the quality and life expectancy of the completed system. Torch Flex Ultra-Vent is reinforced with a high strength polyester scrim, which adds strength to the completed system.

USES

The Torch Flex Ultra-Vent membrane is designed for use as under-layer vapour dispersion membrane.

APPLICATION INSTRUCTIONS

The laying deck shall be clean, smooth and dry. For a better adhesion it may be previously treated with Garland Garla-Prime. The membrane is then laid by heating the lower side with light propane gas flame.

Edges shall be overlapped, always by propane-gas lit flame, by at least 75mm on the side laps and 100mm on head laps so that waterproofing integrity is maintained.

Refer to specific specifications provided by your Regional Technical Manager.

TECHNICAL DATA

Reinforcement type:

Reinforced and stabilized non-woven polyester mat.

Compound type:

Bitumen modified with thermo-plastic rubber (SBS).

Surface finishing:

Upper side: PE film.

Lower side: PE film.

Laying method:

For lower side finishing with polymeric films: Propane-gas lit flame.

Characteristic	Test Method	Expression of result	Value	Units	Tolerance
Length	EN 1848-1	MLV	8	m	≥
Width	EN 1848-1	MLV	1	m	≥
Thickness	EN 1849-1	MDV	3	mm	± 10%
Weight	EN 1849-1	MDV	4.75	kg/m ²	± 10%
Watertightness	EN 1928:2000 Method B	Pass	100	kPa	≥
Reaction to fire	EN 13501-1	EN 13501-1	Euroclass E	-	
Peel resistance of joint	EN 12316-1	MDV	-	N/50 mm	± 20 N
Shear resistance of joint	EN 12317-1	MDV	250/120	N/50 mm	± 20 %
Maximum tensile force	EN 12311-1	MDV	900/700	N/50 mm	± 20 %
Elongation	EN 12311-1	MDV	45/55	%	± 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	150/150	N	± 10 %
Dimensional stability	EN 1107-1	MLV	-0.2/0.2	%	≤
Flexibility at low temperature	EN 1109	MLV	-20	°C	≤
Flow resistance at elevated temperature	EN 1110	MLV	110	°C	≥
Water vapour transmission properties	EN 1931	μ = MDV or 20,000	20,000	-	

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