



VX Guardian Torch is a preformed torch-on roofing waterproofing membrane for the protection, repair and restoration of all types of roofs, gutters and structures. It is designed for installation as the bottom layer in double-layer roofing system on buildings and constructions, for waterproofing of foundations and engineering structures. It can be used as an underlay for bitumen shingles on pitched roofs and for both new construction or repair works.



**Good
Tear
Resistance**



**High
Temperature
Resistance**



**Quick &
Easy To
Install**



**Long-term
Effective
Waterproof**

Its material is covered by a polymer film with special graphic elements with sand on the top. The material can withstand temperature fluctuations and high mechanical loads which results in a long-term and effective waterproofing. APP Polymer provides additional flow resistance that makes it perfect to be used in a hot climate.

AREA OF USE

- For new and retrofitting construction
- For waterproofing in basements, irregular-shaped roofs, vehicular bridges & viaducts, decks and rooftop gardens

PACKAGING

1M Width x 10M Length
Mineral Colour: Green / Grey

SHELF LIFE & STORAGE

12 months in unopened condition. Store in a cool-dry covered place and avoid direct exposure to sunlight.

TECHNICAL DATA

Properties	Test Method	Typical Value
Reinforcement (Non Woven Polyester)	-	100 to 150 g/m ²
Softening Point	ASTM D 36 - 76	140°C
Water Absorption	ASTM D 570 : 88	<1%
Water Vapour Transmission	ASTM E 96	<1g/m ² /24hr
Tensile Strength	ASTM D 412	>3.5 N/mm ²
Elongation At Break	ASTM D 412	>35%
Tear Resistant	ASTM D 624	>100N
Dimension Stability 70°C +/- 2°C for 6 hours	SS 374 : 1994	Passed
Modified Asphalt	-	APP
Surface Finish	-	Sanded (Concealed) or Mineral (Exposed)
Thickness of Sanded Surface	-	3mm to 4mm (Concealed)
Weight of Mineral Surface	-	4.5Kg to 5.0Kg /m ² (Exposed)

SANDED OR MINERAL SURFACE

The top layer which is exposed to the sun is treated with fine sand for the sanded-finish and with small coloured granules for the mineral-finish. Mineral surface type allows the membrane to be left exposed to weather. The sanded type is designed for use as a concealed membrane.

The asphalt is mixed with highly compatible modifiers to provide the membrane with better ageing characteristics, and higher resistance to cold and hot temperatures. The membranes are further reinforced centrally with a high strength polyester fibre mesh for increased tensile strength. Using torching method, the membrane achieves a very strong bond to the concrete substrate and the laps are also fully torched for maximum bond and seal.

PREPARATION

Ensure the surface is free of any laitance, dirt, oil, wax or debris which may prevent the VX Guardian Torch from properly adhering to the surface.

APPLICATION

- Prime the substrate with VX Guardian BitPrime and allow to dry.
- Always lay VX Guardian Torch membrane from low point of roof to high to ensure that lap follows water-flow. Unroll membrane fully and align the side laps, then re-roll it tightly from both sides towards the centre.
- Heat the base and the bottom side of the material with a torch flame to get a small bitumen flow. Overlaps must be heated additionally.
- Use torch flame to install membrane by melting the substrate to achieve good bonding while not overheating the membrane,
- Longitudinal overlaps and end overlaps should be a minimum of 100mm.
- Always ensure that the membrane laps of seams have some outflow for watertight integrity of the membrane joints.