Guard Pro Torch

Description:

Guard Pro 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.

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

Uses:

- New & Retrofitting Construction
- Basement Waterproofing
- Irregular-shaped Roofs
- Vehicular Bridge & Viaducts
- Rooftop Gardens
- Decks

Advantages:

- Quick, simple and inexpensive application.
- Easily maintained and repaired.
- Sanded Material is designed for use as a concealed membrane.
- Mineral Material can be exposed to sun and weather.

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 colored granules for the mineral-finish. Mineral surface type allow 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 aging characteristics, and higher resistance to cold and hot temperatures. The membranes are further reinforced centrally with a high strength polyester fiber 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.

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Application:

1. Ensure that the concrete substrate is clean and free from any contaminants. Any concrete defects should be repaired before the installation of membrane.
2. Prime the substrate with Guard Primer Pro and allow to dry.
3. Always lay membrane from low point of roof to high to ensure that lap follows water-flow.
4. Unroll the membrane fully and align the side laps, then re-roll it tightly from both sides towards the center.
5. 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.
6. Use torch flame to install membrane by melting the substrate to achieve good bonding while not overheating the membrane.
7. Longitudinal overlaps and end overlaps should be a minimum of 100mm.
8. Always ensure that the membrane laps or seams have some outflow for watertight integrity of the membrane joints.

Performance:

Characteristics	Value	Test Method
Reinforcement (Non-woven Polyester)	**100 to 150 g/m2**	NA
Softening Point	**140°C**	ASTM D 36 - 76
Water Absorption	**<1%**	ASTM D 570 : 88
Water-vapour Transmission	**<1 g/m2/24hr**	ASTM E 96
Tensile Strength	**>3.5N/mm2**	ASTM D 412
Elongation at break	**>35%**	ASTM D 412
Tear Resistance	**>100N**	ASTM D 624
Dimension Stability 70°C ± 2°C for 6 hours	**Passed**	SS 374 : 1994

Modified Asphalt: **APP**
Surface Finish: **Sanded (Concealed) or Mineral (Exposed)**
Thickness of Sanded Surface: **3-4 mm (Concealed)**
Weight of Mineral Surface: **4-5 kg/m2 (Exposed)**

Packaging:

Roll size: **1m width x 10m length**
Mineral Color: **Green or Grey**

Shelf Life:

Shelf Life: **1 year if stored properly.**