

UNIFLAME SBS

HIGH PERFORMANCE *UNIROOF*® UNIFLAME SBS TORCH APPLIED MEMBRANE

ADVANTAGES OF UNIFLAME TORCH on MEMBRANES

- Excellent Protection for Sub-Grade Concrete.
- Designed for Heavy Duty Industrial Applications.
- Excellent Flexibility and good Elongation.
- High Bonding Strength to Substrate and Exceptional Seam Integrity.



USES

UNIFLAME SBS MEMBRANES are designed for general waterproofing use in Foundations, Basements, Tanking and as a waterproofing membrane to a roof slab in an inverted roof design. The membrane is highly flexible for detailing work such as dressing pile caps and tie-beams. They provide protection against corrosive ground water when used in sub-structure waterproofing.

ROLL SIZE and FINISH

UNIFLAME SBS MEMBRANE is available in thicknesses of 3, 4 and 5mm. Each roll is 10 meters long. Rolls have a PE finish on each side which is a “fugitive” which melts when the membrane is torched.

STANDARDS

UNIFLAME SBS MEMBRANES conform to the following standards: ASTM D6164 Type 1 and 2. UEAtc MOAT 27 1983, MOAT 31 1983, MOAT 31 1984, UNI and CGSB.

PRODUCT DESCRIPTION

UNIFLAME SBS high performance membranes are manufactured for use in inverted roofing and substructure waterproofing systems. The membrane incorporates the most advanced materials and manufacturing techniques to achieve a high level of performance and reliability. **UNIFLAME SBS** consists of a high strength carrier of 180gm/m² non-woven polyester fibres saturated with an elastomeric blend of SBS (Styrene Butadiene Styrene) modified with bitumen. This makes a compound that ensures stability and flexibility giving excellent long term tolerance to water and high temperatures, for excellent mechanical strength and stability. The reinforcement is rot proof.

APPLICATION

The surface to be waterproofed must be, clean, dry and dust free. All mould oil, protruding nibs and nails must be removed. Roof screeds must be clean and dry.

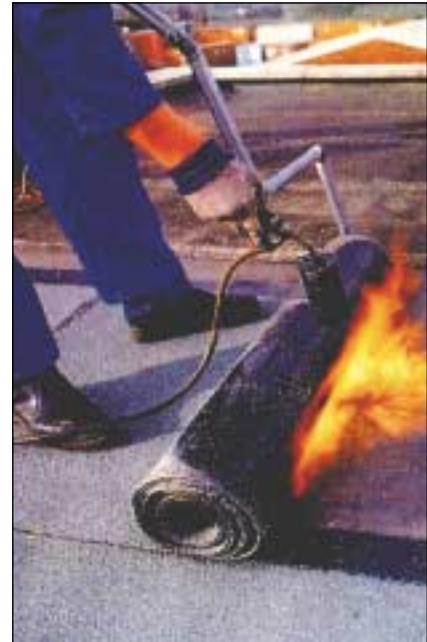
A coat of primer must then be applied to the concrete surface at the rate of 200-300gms/m². The primer should be allowed to dry before the application of the membrane.

Membrane joints must be overlapped 100mm at the end and 100mm at the sides. Care should be taken when applying heat to the underside of the membrane when making end and lap joints. A thin bead of molten bitumen will be extruded from the seam, this should be smoothed with a small trowel.

UNIFLAME SBS TORCH-ON MEMBRANE

TECHNICAL DATA:

PROPERTIES	TYPICAL VALUES	METHOD of TEST
Nominal Thickness	3, 4, 5 mm	ASTM D751. UEAtc
Penetration (DOW) At 25° C	30-35 dmm	ASTM D5
Softening Point	110° C	ASTM D36
Low Temperature Flexibility	-10° C	UEAtc
Water Absorption	<0.12% Wt	ASTM D570
Heat Resistance, at 80° C, in 2 hours	No Flow	UEAtc
Impermeability to Water	Absolute	UNI 8202
Vapour Transmission Rate	<0.28gr/m ² /24hrs	ASTM E96
Resistance to ageing and UV	No Deterioration	ASTM G53
Reinforcement Core	Non Woven Polyester 180gms/m ²	
Tensile Strength	Longitudinal 900 N/5cm Transverse 700 N/5cm	UEAtc. ASTM D146
Tear Strength	Longitudinal 225 N Transverse 250 N	UEAtc
Elongation	Longitudinal 50% Transverse 50%	UEAtc. ASTM D146
Puncture Resistance	Static at 25kg L4 Dynamic at 25kg I4	UEAtc
Adhesion Strength <i>Fully Bonded to Primed Concrete Deck</i>	1.15 Kg/cm ²	UNI 8202



The technical data given above are average values the results of which were carried out on the membrane. These tests are the Industry Standard for this type of material and comply with the criteria stipulated in: UNI, UEAtc, ASTM, C.P 102, DIN and CGSB. Uniroof International Limited reserves the right to change or modify the data without prior notice.

All UNIFLAME SBS MEMBRANES are warranted against manufacturing defects for a period of TEN YEARS.

DISTRIBUTOR

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