

UNIFLAME APP

HIGH PERFORMANCE *UNIROOF*[®] UNIFLAME APP TORCH APPLIED MEMBRANE

ADVANTAGES OF UNIFLAME TORCH on MEMBRANES

- Excellent protection for exposed or inverted roof decks
- Designed for heavy duty industrial applications
- Excellent flexibility and good elongation
- High bonding strength to substrate and exceptional seam integrity



USES

UNIFLAME APP MEMBRANES are designed for general waterproofing use as inverted or exposed membrane, either to a roof slab in an inverted roof design, or as a fully exposed membrane for traditional roofing or re-cover applications. The membrane is flexible for detailing work on flashings and upstands. They provide excellent protection against UV light and building movement.

ROLL SIZE and FINISH

UNIFLAME APP MEMBRANE is available in thicknesses of 3, 4 and 5mm. Each roll is 10 metres long and 1 metre wide. Rolls for inverted use have a PE finish on each side. Membranes for exposed situations have a mineral finish one side and a PE finish on the reverse side. The PE finish on both materials is a "fugitive" which melts away when the membrane is torched.

STANDARDS

UNIFLAME APP 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 APP high performance membranes are manufactured for use in inverted or exposed roofing applications. The membrane incorporates the most advanced materials and manufacturing techniques to achieve a high level of performance and reliability. **UNIFLAME APP membranes** consist of a high strength carrier of 180gm/m² non-woven polyester fabric saturated with an plastomeric blend of APP (Atactic Polypropylene) modified bitumen. This makes a compound that insures stability and flexibility which gives 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 smooth, clean, dry and dust free. All mould oil, protruding nibs and nails must be removed or ground down. Roof screeds must be clean, dry and cured.

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 75mm 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 APP TORCH on MEMBRANE

TECHNICAL DATA:

PROPERTIES	TYPICAL VALUES	METHOD of TEST
Nominal Thickness	3, 4 and 5mm	ASTM D751. UEAtc
Penetration (DOW) At 25° C	15-25 dmm	ASTM D5
Softening Point	155° C	ASTM D36
Low Temperature Flexibility	-5° C	UEAtc
Water Absorption by Weight	<0.12 Wt	ASTM D570
Heat Resistance, at 100° C in 2 hours	No Flow	UEAtc
Impermeability to Water	Absolute	UNI 8202
Water 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 650 N/5cm	UEAtc. ASTM D146
Tear Strength	Longitudinal 195 N Transverse 200 N	UEAtc
Elongation	Longitudinal 48% Transverse 50%	UEAtc. ASTM D146
Puncture Resistance	Static at 25kg L4 Dynamic 9 Joules I4	UEAtc
Adhesion Strength <i>Fully Bonded to Primed Concrete Deck</i>	1.15 Kg/cm ²	UNI 8202



Laying Uniflame APP Membrane



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 APP MEMBRANES are warranted against manufacturing defects for a period of TEN YEARS.

DISTRIBUTOR

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