



BM Torch G

Mineral Surfaced APP modified Torch on Membrane

DESCRIPTION

BM TORCH G Membranes are **APP (Atactic polypropylene)** modified torch on bitumen membranes which are reinforced with non-woven polyester mat, bottom surface thermo-fusible polyethylene film and top surface slate/granule finish. They have phenomenal waterproofing qualities along with commendable mechanical properties such as tensile strength, tear strength, and puncture resistance. They exhibit good UV resistance and are quite durable.

USES

BM TORCH G membranes are perfect for general use in single layer waterproofing systems. They are suitable for both accessible or inaccessible concrete roofs, balconies, wet areas such as kitchens and bath rooms ; below grade structures or any smooth concrete surface that require waterproofing.

BM TORCH G is generally used for exposed application as the top surfacing with slate / granule finish which is resistant to UV.

APPLICATION

The surface to be waterproofed should be clean, dry, firm, even. Any form of surface imperfection is undesirable.

Apply a coat of **BM PRIME SBD41** solvent based primer on the prepared surface and let dry.

Use propane/butane gas for binding the membranes to the surface. Start laying from the lowest point of the roof. Leave overlapping area plain without slate/granules (8cm-10cm) so that the water can be shed. Excessive heating may lead to damage of the reinforcement. Stagger the overlaps of the adjacent rolls. The side laps should at least be 8cm and end laps should be 15 cm.

Carefully prepare the details such as corners, edges and joints in advance by torching and fixing strips of **BM TORCH G** in place. Ensure perfect bonding without any opening by dressing the overlaps with a hand towel. Scrap off the granules on the top surface to ensure perfect joint.



TECHNICAL DATA

PROPERTIES	TYPICAL VALUE	TEST STANDARD
Coating asphalt	APP polymer modified asphalt	-
Softening point, °C	155±5	ASTM D-36
Penetration, @25°C, dmm	20±5	ASTM D-5
Low temperature cold flexibility @ 0°C	No crack	ASTM D-5147
Heat resistance @ 120°C	No flow	ASTM D-5147
Tensile strength (L/T), (N/5cm)	760/560	ASTM D-5147
Elongation at Break (L/T), %	>35/50	ASTM D-5147
Tear resistance (L/T), (N)	>300/200	ASTM D-5147 /D 4073
Puncture resistance, (N)	>475	ASTM E-154
Resistance to Static/Dynamic	Static: L ₄ /Dynamic:l4	UEAtc 5.1.9 /UEAtc 5.1.10
Lap Joint strength, (N/5cm)	Same as membrane	EN 12317
Water absorption, %wt @ 23°C 24hrs	< 1	ASTM D-5147
Impermeability to water	Pass	EN 1928
Dimensional stability, (%)	< 1	ASTM D6222

All values given are subject to 8-15% tolerance

COVERAGE

Coverage differs depending on the surface condition:

BM TORCH G Flat Areas : 1.15m²/m² (Approx.) per layer with 10cm Overlaps and 15cms end laps. Average wastages: 2-3%.

BM PRIME SBD41 Smooth Surface: 0.3-0.5 Ltr/m² (Approx.) will give dry film thickness of 100 microns.

STANDARDS

BM TORCH G membranes strictly abide by the performance requirements and tolerance level of UEAtc (European Union of Technical Agreement) and ASTM (American Society for Testing and Materials).

STORAGE

The rolls must be stored vertically in a covered area. They should not be exposed to direct sunlight, UV and other sources of heat. The shelf life of the product lasts up to 12 months from the date of production. Extreme exposure to sunlight and UV may lead to deterioration of the product and may subsequently reduce its shelf life.

HEALTH AND SAFETY

When torch melted the membranes can form a sticky compound and can stick to human skin. Apply plenty of cold water if it is in hot condition. Use soft cloth dipped in a suitable cleaner to remove the same. For deep burns, immediate medical assistance is suggested.

SUPPLY

Nominal roll length: 1mx10m ; Nominal roll width : 1m ; Nominal thickness : 3mm, 4mm, 5mm

Plot 16, Shiv Industrial Infrastructure Park, Manjusar, Lamdapura, Nirma Canal Road, Savli-391775
Vadodara, Gujarat, India

Tel: +91-260-2221251 Fax: +91-260-2221786

Email: info@bitumag.co.in

www.bitumag.co.in