

RLC-400

APP MODIFIED TORCH ON MEMBRANE

DESCRIPTION

PROTECT SOUTH ASIA (Torch-On Membrane) is a state-of-the-art bituminous waterproofing solution developed from high-performance polymers with reinforced carrier. This innovative membrane offers exceptional resistance to water, temperature fluctuations, and UV radiation, while delivering enhanced mechanical strength. PROTECT SOUTH ASIA ensures long-lasting durability and reliable protection, making it an excellent choice for both residential, commercial, industrial and infrastructure waterproofing needs.



USES

PROTECT SOUTH ASIA is highly recommended for use in both low and high temperature environments, offering exceptional durability and flexibility in colder conditions while maintaining stability in warmer climates. This high-performance membrane is versatile and effectively utilized across various applications, including roofs, basements, tanks, retaining walls, bridges, multi-story buildings, and industrial shells.

- Roofs
- Basements
- Water Tanks
- Retaining Walls
- Bridges
- Multi-storey Buildings
- Industrial Structures

APPLICATIONS

PROTECT SOUTH ASIA membranes can be applied using three main methods: Fully bonded, Partially bonded, and Loose laid.

1. Fully Bonded

The roll should be laid in the same way with 3 inches side lap and 4 inches end lap, all overlaps should be torch sealed and smooth using hot trowel.

2. Partially Bonded

Torch the membrane in spot-bond pattern while maintaining the same overlap requirements. Torch seal all laps properly.

3. Loose Laid

Recommended where applicable. Lay the membrane loose and torch seal only the overlaps while maintaining proper lap dimensions.

Primer

Apply suitable bitumen primer on a clean, dry and smooth substrate before membrane installation.

SURFACING

- PROTECT SOUTH ASIA RLC-400, PE film on both sides
- PROTECT SOUTH ASIA RLAC-400 Top surface with Aluminium Finishing

STORAGE

Rolls should always be placed vertically on smooth surface in a dry shaded area.

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TECHNICAL DATA

PROPERTIES	VALUES	TEST STANDARD
Roll Size (meter)	1 x 10 m	-
Thickness (mm)	4.0 mm	ASTM D 751
Coating Compound	Atactic Poly Propylene Polymer Modified Bitumen	-
Softening point (R&B,) (°C)	>140	ASTM D 36
Penetration @25°C, [0.1mm]	12 - 25	ASTM D 5
Tensile Strength (L/T) [N/5cm]	400 / 300	ASTM D 5147
Tear Resistance (L/T), [N]	110 / 120	ASTM D 5147
Water Absorption (Bsp.) [%]	< 0.2	ASTM D 5147
Heat Resistance @120°C	No Flow	UAEEC
Low Temperature Flexibility	No Crack	ASTM D 5147

RLC-400 MEMBRANES ARE ENVIRONMENTAL AND NATURE FRIENDLY

IMPORTANT NOTES

- Values may vary within standard manufacturing tolerance (5-10%).
- Do not leave RLC-400 membrane exposed for more than 10 days unless protected.
- Apply only on clean, dry and properly primed surfaces.
- Installation should be carried out by trained applicators using proper torch application methods.
- Ensure all laps are torch sealed uniformly using hot trowel.
- Store rolls in **upright position**.
- Use within recommended shelf life.



Our complete product range is manufactured under strict quality control and complies with relevant international standards.

The above data is obtained from laboratory tests and is to the best of our knowledge. Due to continuous R&D and change in client requirements and environmental conditions, the technical data may vary.

According to the standards, a variation of 10% is expected.