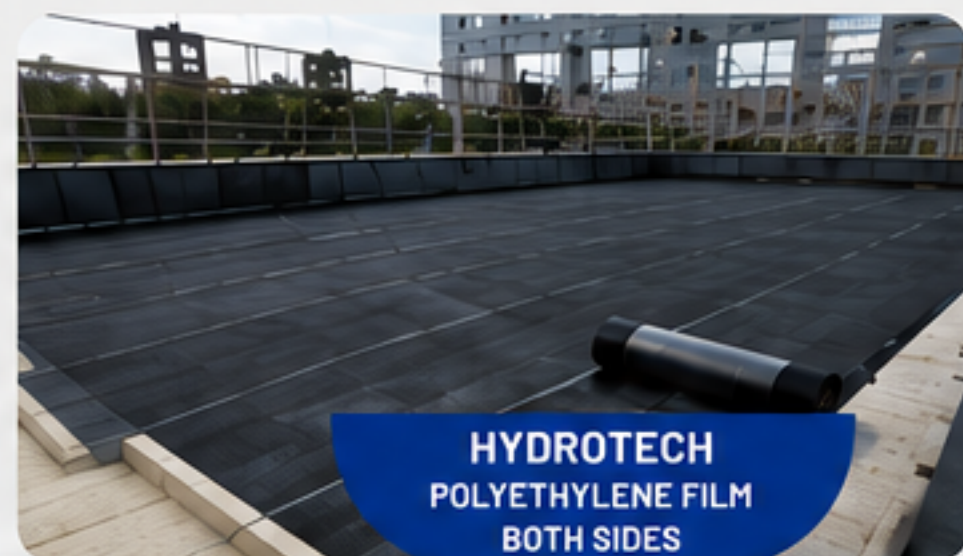


DESCRIPTION

Hydrotech Membrane is a premium APP (Atactic Polypropylene) polymer modified bituminous waterproofing membrane reinforced with a high-strength carrier. It provides excellent resistance against water penetration, UV exposure, weathering and temperature variations while offering superior mechanical performance and long-term waterproofing protection. It is suitable for residential, commercial, industrial and infrastructure waterproofing applications.



USES

The membrane is recommended for waterproofing applications including:

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

It provides excellent flexibility at low temperatures and stability at high temperatures for long-lasting waterproofing performance.

APPLICATIONS

Hydrotech membranes can be applied using:

1. Fully Bonded

Roll out the membrane, align properly and torch the underside until the polyethylene film melts. Press firmly onto the primed surface. Maintain 75 mm side laps and 100 mm end laps, ensuring all joints are completely torch sealed.

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

- **HYDROTECH:**
Polyethylene Film on both sides.
- **HYDROTECH (ALU):**
Aluminium Foil finished top surface.

STORAGE

Store rolls vertically on a smooth surface in a dry, shaded area away from direct sunlight.

TECHNICAL DATA

PROPERTIES	VALUES	TEST STANDARD
Roll Size (meter)	1 x 10 m	-
Thickness (mm)	3.0 mm	ASTM D751
Coating Compound	APP (Atactic Polypropylene) Polymer Modified Bitumen	-
Softening Point (R&B) (°C)	>135 °C	ASTM D36
Penetration @25°C (0.1mm)	12 - 25	ASTM D 5
Tensile Strength (L/T) [N/5cm]	375 / 250	ASTM D 5147
Tear Resistance (L/T) [N]	100 / 110	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

HYDROTECH MEMBRANES ARE ENVIRONMENTAL AND NATURE FRIENDLY

IMPORTANT NOTES

- Values may vary within standard manufacturing tolerance (5-10%).
- Do not leave Hydrotech 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.

