

Description

APP waterproofing membrane sandwiched with non-woven polyester reinforcement is a high-performance modified bitumen-based membrane designed for superior waterproofing in various construction applications.

Typical Applications

- Concrete roofs (Sloped/flat terraces)
- Terrace gardens
- Car parking's
- Retaining walls
- Basements

Features

- **Excellent Waterproofing:** Provides a durable and effective waterproofing barrier, protecting structures against water ingress and moisture damage.
- **Polyester Reinforcement:** The inclusion of a polyester reinforcement enhances the membrane's tensile strength and dimensional stability.
- **High-Temperature Resistance:** Withstands high temperatures, making it suitable for regions with extreme climatic conditions.
- **Compatibility:** Compatible with various substrates, including concrete, precast or RCC.
- **Longevity:** Provides excellent resistance against aging, and weathering, ensuring a long service life.

Application Procedure:

1 SURFACE PREPARATION

Surface Preparation: A smooth, regular and dry surface are always must for good application. The substrate should be completely free of any protrusions or cavities. The presence of oily substances, frost or other moisture should be completely avoided. Repair any cracks or damaged areas with high performance polymer mortar prepared by using Dr. Fixit Super Latex.

2 PRIMING

Apply a suitable primer to enhance adhesion between the membrane and the substrate. Follow the manufacturer's instructions for the use of primer application.

3 MEMBRANE APPLICATION

Unroll the APP membrane, align and position the membrane properly with leaving 100 mm overlap. Re-roll it in alignment before torching application. Torch on Method - Heat the membrane using a propane torch and carefully apply it to the primed substrate. Ensure uniform heating and proper adhesion throughout with removing any air pockets or wrinkle.

4 OVERLAPPING AND SEALING

Each roll should overlap by 100 mm on the side laps and 150 mm at the end laps for better stability.

5 PROTECTION LAYER

Install a protective layer, such as insulation board, protection board, or a suitable surfacing material like concrete, to shield the membrane from mechanical damage and UV exposure.

APPLICATION TOOLS AND EQUIPMENT

The tools and equipment required to apply Dr. Fixit Torchshield membrane include a gas torch with related gas cylinder, a knife for cutting the membrane to size, and a trowel with a rounded tip. Protective gloves and goggles are necessary when using the gas torch.



Technical Information

PARAMETERS	RESULTS	TEST METHOD
Appearance	Black Membrane, Top Side HDPE Black Film, Bottom side HDPE Film	
Roll length (m)	10 ± 1%	ASTM D5147
Roll width (m)	1 ± 1%	ASTM D5147
Thickness (mm)	> 3	ASTM D5147
Softening point (°C)	> 150	ASTM D36
Tensile strength (N/ 5cm)		
Longitudinal	> 600	ASTM D5147
Lateral	> 450	
Elongation (%)		
Longitudinal	> 55	ASTM D5147
Lateral	> 65	
Tear resistance		
Longitudinal	> 400	ASTM D4083
Lateral	> 350	
Cold flexibility (at -0°C)	No crack	ASTM D5147
Water absorption (%)	< 0.2	ASTM D5147
Working temperature (°C)	0 to +150	

Packing

Roll size of 1 m X 10 m (3 mm).

Shelf Life

The shelf life is 12 months, if stored as per the recommendations.

Storage

Dr. Fixit Torchshield should be stored under dry conditions and away from heat sources. Dr. Fixit Torchshield should be kept in upright position under covered shed subject not to direct sunlight. Also should not be kept within close proximity of any sharp or protruding edges to avoid puncturing or damaging the membrane.

Technical support

DR. FIXIT offers comprehensive range of high performance, high quality waterproofing membrane systems. In addition DR. FIXIT also offers a technical support to specifiers and contractors, which include assistance with product selection and technical advice from staff, with unrivalled experience in the industry.

Other Products Categories available

Dr. Fixit brings you the widest range of Construction Chemicals



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