

FlexiSeal Membrane – Technical Specification Sheet

1. Product Description

FlexiSeal Membrane is a high-performance, elastic waterproofing membrane designed to provide long-term protection against water ingress in diverse construction environments. It offers superior flexibility, tensile strength, and durability under extreme conditions.

2. Technical Specifications

Property	Typical Value	Test Standard
Thickness	1.5 mm (±0.1 mm)	ASTM D751
Tensile Strength	≥ 12 MPa	ASTM D412
Elongation at Break	≥ 400%	ASTM D412
Tear Resistance	≥ 30 N/mm	ASTM D624
Water Vapor Transmission	≤ 0.1 g/m ² ·24hr	ASTM E96
Adhesion to Concrete	≥ 1.5 N/mm ²	ASTM D903
Temperature Resistance Range	-30°C to +80°C	ASTM D2136
UV Resistance	Excellent (5000 hrs exposure)	ASTM G154

3. Applications

- Basement waterproofing
- Roof slabs and terraces

- Tunnels and underground structures
 - Wet areas, balconies, and retaining walls
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4. Certifications & Compliance

- Compliant with IS 2508 (Indian Standards)
 - Meets ASTM D4068 for liquid-applied waterproofing membranes
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5. Installation Guidelines

1. Surface Preparation: Ensure the substrate is clean, dry, and free of dust or contaminants.
 2. Priming (If Required): Apply a suitable primer depending on the substrate.
 3. Membrane Application: Use roller or spray techniques. Ensure overlaps of at least 100 mm.
 4. Curing: Allow membrane to cure for 24 hours at 25°C and 50% RH.
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6. Packaging & Coverage

- Roll Dimensions: 1 meter × 10 meters (10 m² per roll)
 - Approximate Coverage: 1.1 kg/m²
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7. Disclaimer

This document is a sample technical datasheet intended for presentation purposes only. Actual performance parameters may vary depending on the specific formulation and application conditions. Always refer to the manufacturer's official product data sheet for binding specifications.

