



PRODUCT DATA SHEET

Non-Reinforced EPDM Membranes



Features & Benefits

- Meets lightweight requirements
- No special equipment required for installation
- EPDM has more than 50 years of proven performance
- Ability to be installed over a variety of decks
- Full line of Pressure Sensitive accessories
- Membranes are available in widths of up to 15m and lengths of up to 30.5m for faster installations and less seaming
- Fully adhered application allows for installation on any roof slope

Description

FIX-R 1.2mm (.047") and 1.5mm (.060") roofing membranes are non-reinforced Ethylene Propylene Diene Terpolymer (EPDM) based elastomeric homogenous roof coverings. These roofing membranes may be used for new single-ply roof construction and re-roofing applications. Available in widths of up to 15m (50') and lengths of up to 30.5m (100'). All membranes are dusted. Both thicknesses achieve Roof T4 fire ratings.

Application*

- 1) **For Design A: Fully Adhered Roofing System;** insulation is mechanically attached or adhered to the roof deck. The substrate and membrane are coated with FIX-R Roof Decking Adhesive (WBA). The membrane is then rolled into place and broomed down. To complete seams between two adjoining membrane panels, apply FIX-R EPDM Primer to the splice area in conjunction with FIX-R PS Secure Tape.
- 2) **For Design B: Ballasted Roofing System;** insulation is loose-laid over the roof deck. Membrane is loose-laid over the insulation and secured with a minimum 4.5Kg (10 lbs) of ballast per square foot. To complete seams between two adjoining membrane panels, apply FIX-R EPDM Primer to the splice area in conjunction with FIX-R PS Secure Tape.
- 3) For cold weather splicing below 5°C, these steps must be followed:
 - Heat the primed area of the bottom membrane with a hot-air gun as 76mm or 152mm Seam tape is applied and pressed into place.
 - Prior to rolling the splice area with a 50mm wide steel hand roller, apply heat to the top side of the membrane with a hot-air gun.

The heated surface should be hot to the touch. Be careful not to burn or blister the membrane.

* REVIEW CURRENT SPECIFICATIONS AND DETAILS FOR SPECIFIC APPLICATION REQUIREMENTS.

Precautions

- 1) Use proper stacking procedures to ensure sufficient stability of the materials.
- 2) Exercise caution when walking on a wet membrane. Membranes are slippery when wet.
- 3) Pressure Sensitive (P.S.) Accessories should not be exposed to prolonged jobsite storage temperatures in excess of 90°F (32°C), otherwise the shelf life of the FAT may be affected.

Non-Reinforced EPDM Membranes

Essential Characteristics	Performance	Test Standard	Harmonized Technical Specification
Visible Defects	Pass	EN 1850-2	EN 13956 : 2012
Width	-0,5% to +1% of target	EN 1848-2	
Straightness	-50mm to +50mm	EN 1848-2	
Flatness	≤ 10mm	EN 1848-2	
Effective Thickness	-5% to +10% of target	EN 1849-2	
External Fire Performance	BROOF(t4)	ENV 1187-1	
Tensile Strength	≥ 8N/mm ²	EN 12311-2	
Elongation	≥ 350 %	EN 12311-2	
Tear Resistance	≥ 25N	EN 12310-2	
Dimensional Stability	≤ 0,5%	EN 1107-2	
UV Exposure	Pass	EN 1297	
Resistance to Ozone	Pass	EN 1844	
Tensile Strength @ break (MPa)		ISO R 527 parts 1 & 3	
No Aging – (L, T)	≥ 8,0		
Oxidation – 90 days @ 85°C	Δ ≤ 25%	pr EN 14575	
Weathering – 3000 hours UV	Δ ≤ 25%	EN 12224	
Static Puncture (kN)	≥ 0,5	EN ISO 12236	
Water Permeability (m ³ /m ²)/d	0	pr EN 14150	
Durability - Environmental Stress Cracking (hours)	≥ 200	ASTM D 5397-99 Appendix	

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Before using this product please ensure that you have been supplied with and have read carefully the following information:

- 1) The product labels
- 2) FIX-R EPDM Material Safety Data Sheet