

# NON-REINFORCED EPDM MEMBRANES

## Product Data

### ClassicBond 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 are achieve Broof T4 fire ratings.

### Features and 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

### 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 ClassicBond Decking adhesive. The membrane is then rolled into place and broomed down. To complete seams between two adjoining membrane panels, apply ClassicBond EPDM Primer to the splice area in conjunction with ClassicBond PS Seam 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 4.5 Kg (10 lbs) of ballast per square foot.

To complete seams between two adjoining membrane panels, apply ClassicBond EPDM Primer to the splice area in conjunction with ClassicBond PS Seam 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. PS 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.

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

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

1. The product labels
2. ClassicBond EPDM Material Safety Data Sheet

**Exclusive British Isles Distributors for Carlisle-SynTec and ClassicBond EPDM single ply roofing materials.**

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