

# Membrane Product Data

ClassicBond **PRO** EPDM membranes are manufactured using a patented hot melt adhesive technology to bond a reinforcing fleece backing to the EPDM.

This reinforced membrane achieves a total sheet thicknesses is 3mm creating a very tough durable and versatile product that is ideal for re-roofing or new construction projects.

ClassicBond **PRO** sheets are manufactured with Pre-Applied Seam Tape (PST), a 75mm SecurTape seam, factory applied to ensure a consistent quality, watertight seal.



## Intended Uses

All adhered roofing and waterproofing applications. ClassicBond PRO is ideally suited to roof garden, terraces and solar panel applications due to its added toughness/durability and projects demanding superior wind uplift resistance.

## Features and Benefits

- 1.52m wide membrane
- Superior wind uplift performance due to adhesive bonds achievable with fleece backing
- Fleece reinforcement adds toughness, durability and enhanced puncture resistance
  - 2.54mm Fleece Reinforced membranes deliver 40% greater puncture resistance and 180% greater tear resistance than 1.52mm non reinforced EPDM
  - Greater puncture resistance than Modified Bitumen
- Pre-Applied Seam Tape (PST), provides consistent seam quality and enhances productivity
- Excellent fire ratings

## Installation

(Consult ClassicBond PRO specifications for complete installation information.)

Roof deck must be suitably prepared and well secured. Adhesive is determined by substrate & conditions. Adhesive must be applied in accordance with directions for appropriate type. The membrane is then rolled into place and bond consolidated.

## Seaming

1. Apply ClassicBond EPDM Primer to the target area of the bottom sheet with a short pile paint roller or brush. The primed area will be free of globs or puddles. Allow primer to dry until it does not transfer to a dry finger.
2. Allow the taped edge of the top sheet to fall freely onto the primed sheet below.

3. Pull the poly backing from the Pre-Applied Seam Tape (PST) beneath the top sheet and allow the top sheet to fall freely onto the exposed primed surface.
4. Press top sheet on to the bottom sheet using firm even hand pressure across the seam towards the membrane edge.
5. Immediately roll the seam with a 50 mm wide steel roller using positive pressure. Roll across the seam edge, not parallel to it.
6. For cold weather seaming below 4°C, the following steps must be followed:
  - Heat the primed area of the bottom membrane with a hot air gun as the top sheet with PST is applied and pressed into place
  - Prior to rolling the seam 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
7. Install Pressure Sensitive Elastoform Flashing over all field seam intersections. durability and projects demanding superior wind uplift resistance.

## Precautions

1. Use proper stacking procedures to ensure sufficient stability of the materials.
2. Exercise caution when walking on wet membrane. Membranes are slippery when wet.
3. Care must be exercised when working close to a roof edge.
4. ClassicBond PRO membrane rolls must be covered and elevated to keep dry prior to installation. If the fleece gets wet use a wet vac system to help remove moisture from the fleece.
5. Prolonged storage at temperatures in excess of 32°C may affect product shelf life.
6. In warm, sunny weather, shade the PST end of the rolls until ready to use.

| <b>ClassicBond PRO EPDM 3mm Membrane</b>   |   |                        |                       |
|--|---|------------------------|-----------------------|
| Physical Property  | Test Method                                       | SPEC (Pass)            | CB PRO                |
| Tolerance on Nominal Thickness, %  | ASTM D751   | +/- 10                 | +/- 10                |
| Thickness Over Fleece, Min (mm) 3mm  | ASTM D 4637                                       | 0.762                  | 1.43                  |
| Weight (Kg/m <sup>2</sup> )  |   |                        | 1.4                   |
| Breaking Strength, Min, (Newton) Grab Method   | ASTM D751   | 400                    | 890                   |
| Elongation, Ultimate, Min, %   | ASTM D412   | 300**                  | 480**                 |
| Tearing Strength, Min, (Newton) B Tongue Tear  | ASTM D751   | 45                     | 200                   |
| Puncture Resistance, Joules  | ASTM D5635  | 15                     | 25                    |
| Puncture Resistance, lbf   | FTM 101C Method 2031                              | 328                    | 316                   |
| Puncture Resistance, lbf   | ASTM D120   | 18                     | 17                    |
| Brittleness Point, Max, °C   | ASTM D2137  | -45                    | -55                   |
| Resistance to Heat Aging* Properties after 4 weeks @ 116°C for ClassicBond PRO Breaking Strength, min, (Newton) Elongation, Ultimate, min % Linear Dimensional Change, max % | ASTM D573<br>ASTM D751<br>ASTM D412<br>ASTM D1204 | 355<br>200**<br>+/-1.0 | 890<br>310**<br>-0.7  |
| Ozone Resistance* Condition after exposure to 100 ppm Ozone in air for 168 hours @ 40°C. Specimen wrapped around 7.5 cm mandrel  | ASTM D 1149                                       | No Cracks              | No Cracks             |
| Resistance to Water Absorption* After 7 days immersion @ 70°C Change in mass, max, %   | ASTM D471   | +8, -2**               | 2.0**                 |
| Resistance to Outdoor (Ultraviolet) Weathering* Xenon-Arc, 17,640 kJ/m <sup>2</sup> total radiant exposure at 0.70 W/m <sup>2</sup> irradiance 80°C black panel temp.        | ASTM G 155 ASTM D 4637 Conditions                 | No Cracks No Cracking  | No Cracks No Cracking |

\*Not a Quality Control Test due to the time required for the test or the complexity of the test. However, all test are run on a statistical basis to ensure overall long-term performance of the sheeting. \*\* Specimens to be prepared from coating rubber compound.

| <b>LEED Info</b>               |              |
|--------------------------------|--------------|
| Pre-consumer Recycled Content  | 5%           |
| Post-consumer Recycled Content | 0%           |
| Manufacturing Location         | Carlisle, PA |
| Solar Reflectance Index        | 0-1          |

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