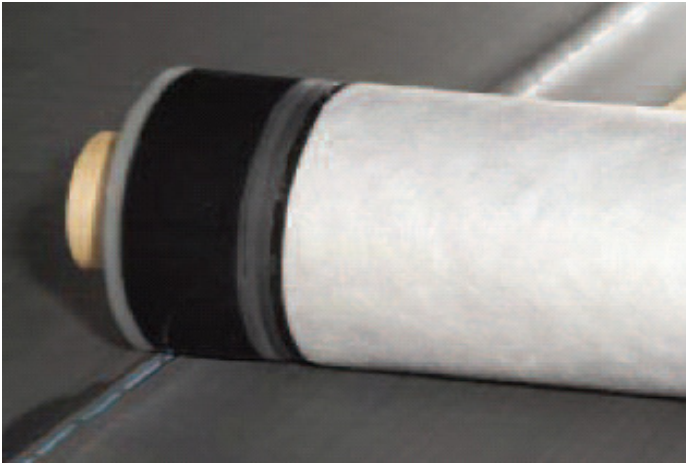




Membrane Product Data



Overview

RubberBond FleeceBack EPDM with Factory Applied Tape (FAT) membranes are manufactured using a patented hot melt adhesive technology to bond a reinforcing fleece backing to the EPDM sheeting.

Once the EPDM is reinforced and enhanced with fleece the total sheet thicknesses is 3mm creating a very tough durable and versatile sheet that is ideal for re-roofing or new construction projects.

FleeceBack EPDM sheets are manufactured with 75mm Factory-Applied SecurTAPE to ensure consistent quality seams.

Intended Uses

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

Features and Benefits

- Choice of 1.52m or 3.05m wide membranes
- Superior wind uplift performance and ratings due to a mechanical bond between fleece and adhesive
- Fleece reinforcement adds toughness, durability and enhanced puncture resistance
 - 2.54mm delivers 40% greater puncture resistance and 180% greater tear resistance than 1.5mm EPDM
 - Greater puncture resistance than Modified Bitumen
- 67% fewer seams than Modified Bitumen with 3.05m sheet
- Factory-Applied Tape provides consistent seam quality and enhances productivity
- Excellent fire ratings

Installation

(Consult RubberBond specifications for complete installation information.)

Apply appropriate RubberBond Decking Adhesive in a uniform manner to achieve appropriate coverage to the substrate. Lay the RubberBond FleeceBack membrane into the wet adhesive and press in with squeegee to ensure full embedment. Splices are sealed with RubberBond unique FAT (Factory Applied Tape). End laps are sealed with Pressure Sensitive Cover Strip or Overlayment Strip.

Splicing

1. Apply HP-250 Primer to the seam area of the bottom sheet with a short nap length 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 FAT 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 seam edge.
5. Immediately roll the seam with a 50 mm wide steel roller, using positive pressure. Roll across the seam edge when using a 50mm roller, not parallel to it.
6. For cold weather seaming (below 5°C), the following steps must be applied:
 - Heat the primed area of the bottom membrane with a hot air gun as the top sheet with FAT 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® or Pressure-Sensitive T-Joint Covers over all field seam intersections.

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

Flex-R, Sandswood House, Hillbottom Road, Sands Industrial Estate, High Wycombe, Buckinghamshire, HP12 4HJ. Tel: +44 (0)1494 448792 Fax: +44 (0)1494 858433



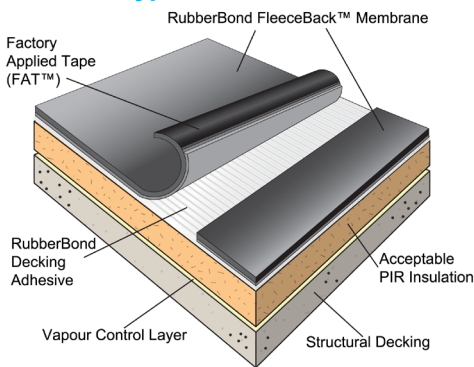


Membrane Product Data

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 when the surrounding area is snow or ice covered.
4. FleeceBack 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 site storage at temperatures in excess of 32°C may affect product shelf life.
6. In warm, sunny weather, shade the tape end of the rolls until ready to use.

Typical Installation



RubberBond FleeceBack EPDM 3mm Membrane			
Physical Property	Test Method	SPEC. (Pass)	RubberBond Typical
Tolerance on Nominal Thickness, %	ASTM D751	+/- 10	+/- 10
Thickness Over Fleece, Min. (mm) 3mm	ASTM D 4637 Annex	0.762	1.43
Weight, (Kg/m ²)			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 D 751	45	200
Puncture Resistance, Joules	ASTM D 5635	15	25
Puncture Resistance, lbf	FTM 101C Method 2031	328	316
Puncture Resistance, lbf	ASTM D 120	18	17
Brittleness Point, max, °C	ASTM D 2137	-45	-55
Resistance to Heat Aging* Properties after 4 weeks @ 116°C for RubberBond	ASTM D573		
Breaking Strength, min, (Newton)	ASTM D 751	355	890
Elongation, Ultimate, min %	ASTM D412	200**	310**
Linear Dimensional Change, max %	ASTM D1204	+/-1.0	-0.7
Ozone Resistance* Condition after exposure to 100 pphm 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*	ASTM G 155	No Cracks	No Cracks
Xenon-Arc, 17,640 kJ/m ² total radiant exposure at 0.70 W/m ² irradiance 80°C black panel temp.	ASTM D 4637 Conditions	No Cracking	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.

LEED Info	
Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Carlisle, PA
Solar Reflectance Index	0-1

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