

RUBBERBOND FLEECEBACK®

FleeceBACK Roofing System

FleeceBACK Membranes are fabricated with a patented hot melt adhesive technology which provides consistent bond strength between the fleece backing and the membrane. 45 mil non-reinforced EPDM to 55-mil thick fleece results in a total finished sheet thickness of 100-mils or (2.54mm). FleeceBACK provides 40% greater puncture resistance and 180% greater tear resistance than conventional 60-mil EPDM.

FleeceBACK and RubberBond adhesives offer non-penetrating design solutions. Adhesive is used to bond FleeceBACK membrane to various substrates. These have a long industry history of more than 15 years, are extremely lightweight and afford contractors an efficient and expeditious alternative to traditional bonding methods. Compatible deck types include concrete, cellular lightweight concrete, gypsum, cementitious wood fiber, wood and painted or galvanized steel. Compatible insulations include Wood Fiberboard, Polyiso, and OSB. For reroofing options, RubberBond Adhesives are compatible with smooth or surfaced BUR, mineral cap sheet, smooth or granule-surfaced Mod-Bit.

For one of the strongest fully-adhered single-ply installations in the industry, specifiers are recommending Carlisle and RubberBond's patented FleeceBACK System. For new and reroofing installations, Adhesive is applied to the deck and FleeceBACK membrane is rolled into the adhesive. Seams are sealed with factory applied SecurTAPE™. Factory applied SecurTAPE is an industry leading engineering breakthrough. It increases the safety, reliability, consistency and speed of application. These systems can achieve wind uplift ratings of up to FM 1-945. FleeceBACK adhered systems can also be installed over insulation which has been mechanically-attached to the deck (if penetration is not an issue).

Attendees participate in a one-day, hands-on workshop learning about FleeceBACK membranes, adhesive and accessories, followed up with on-site training for all contractors.

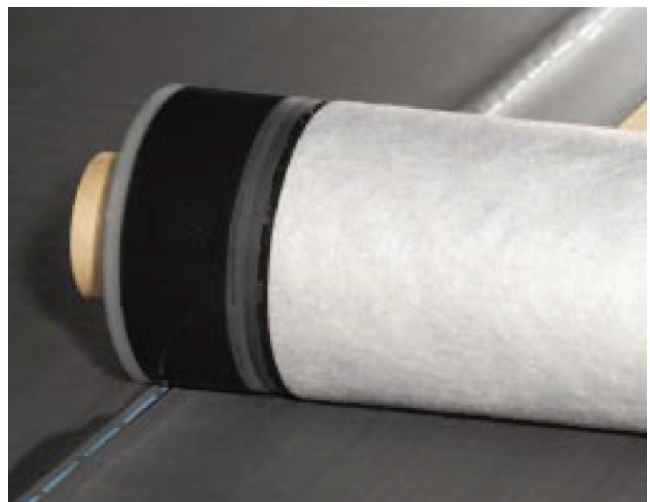


Exclusive equipment in Carlisle, PA produces FleeceBACK membranes with factory-applied tape.

Roofing the World for Over 50 Years

Exclusive UK & Ireland distributors for Carlisle-Syntec and RubberBond EPDM

- Email: enq@rubberbond.co.uk • www.rubberbond.co.uk
- Tel: +44 (0) 1494 448792 • +44 (0) 1494 465393
- Flex-R Ltd., Unit 5 Central Park, Bellfield Road, High Wycombe, Bucks. HP13 5HG



Consistent bonding of SecurTAPE to FleeceBACK membranes affords field splicing improvements.



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FleeceBACK EPDM

Physical Property	Test Method	SPEC. (Pass)	RubberBond Typical
Tolerance on Nominal Thickness, %	ASTM D 751	±10	±10
Thickness Over Fleece, Min, in. (mm)	ASTM D 4637		
100 mil (2.54 mm)	Annex	.030 (.762)	.045 (1.143)
115 mil (2.92 mm)		.030 (.762)	.060 (1.524)
Weight, lb. m/ft² (km²)		...	
100 mil (2.54 mm)			0.29 (1.4)
115 mil (2.92 mm)			0.38 (1.9)
Breaking Strength, min, lbf (N) Grab Method	ASTM D 751	90 (400)	200 (890)
Elongation, Ultimate, min, %	ASTM D 412	300**	480**
Tearing Strength, min, lbf (N) B Tongue Tear	ASTM D 751	10 (45)	45 (200)
Brittleness Point, max, °F (°C)	ASTM D 2137	-49 (-45)	-67 (-55)
Resistance to Heat Aging* Properties after 4 weeks @ 240°F (116°C) for Sure-Seal Properties after 1 week @ 240°F (116°C) for Sure-White	ASTM D 573		
Breaking Strength, min, lbf (N)	ASTM D 751	80 (355)	200 (890)
Elongation, Ultimate, min %	ASTM D 412	200**	310**
Linear Dimensional Change, max %	ASTM D 1204	±1.0	-0.7
Ozone Resistance* Condition after exposure to 100 pphm Ozone in air for 168 hours @ 104°F (40°C) Specimen wrapped around 3 in. (7.5 cm) mandrel	ASTM D 1149	No Cracks	No Cracks
Resistance to Water Absorption* After 7 days immersion @ 158°F (70°C) Change in mass, max, %	ASTM D 471	+8, -2**	2.0**
Resistance to Outdoor (Ultraviolet) Weathering* Xenon-Arc, 17,640 kJ/m² (Sure-Seal) and 7,560 kJ/m² (Sure-White) total radiant exposure at 0.70 W/m² 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.

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