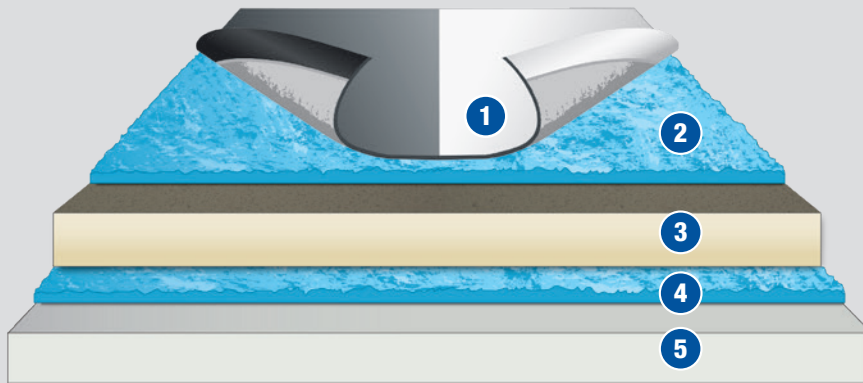


# FleeceBACK® EPDM

## Adhered System



- 1 FleeceBACK EPDM Membrane with Factory-Applied Tape™
- 2 Flexible FAST™ Adhesive
- 3 Approved Carlisle Insulation
- 4 Flexible FAST Adhesive
- 5 Approved Roof Deck

### FleeceBACK EPDM Membranes for adhered roofing systems are available in the following:

#### FleeceBACK Sure-Seal® EPDM

Thicknesses	Roll Size
100-mil	5' x 40' (with 3" FAT) 10' x 50' (with 3" FAT) 10' x 100' (with 3" FAT)
115-mil	5' x 40' (with 3" FAT) 10' x 50' (with 3" FAT) 10' x 100' (with 3" FAT) 10' x 100' (with 6" FAT)
145-mil	10' x 50' (with 6" FAT) 10' x 100' (with 6" FAT)

#### FleeceBACK Sure-White® EPDM

100-mil	10' x 100' (with 3" FAT)
115-mil	5' x 40' (with 3" FAT) 10' x 100' (with 3" FAT) 10' x 100' (with 6" FAT)
145-mil	10' x 50' (with 6" FAT) 10' x 100' (with 6" FAT)

### Description

Carlisle's FleeceBACK Sure-Seal and Sure-White EPDM membranes are manufactured using a patented hot-melt adhesive technology to bond a fleece backing to the EPDM sheeting. FleeceBACK EPDM membranes are available in total sheet thicknesses of 100, 115, and 145 mils and are manufactured with 3" or 6" Factory-Applied Tape to ensure consistent, quality seams. Carlisle's FleeceBACK EPDM demonstrates industry-leading toughness, durability, and versatility. With over 25 years of results, Carlisle's FleeceBACK EPDM remains an ideal choice for re-roofing or new construction projects.

Carlisle FleeceBACK EPDM systems are preferred for new construction and re-roofing projects, and are particularly well-suited for critical facilities that require superior protection against severe weather, as well as Roof Garden and solar applications. EPDM FleeceBACK membranes are installed using Flexible FAST Adhesive for a VOC- free, quiet, low-odor, non-penetrating application and a roof system that offers superior wind uplift.

### System Features & Benefits:

- » Added Puncture / Tear Resistance
  - Fleece backing provides 40% greater puncture resistance and 180% greater tear resistance than standard membrane
- » Superior Wind Uplift
  - Uplift pressures ranging from 90–990 psf depending on the substrate. Due to its superior wind uplift performance, the FleeceBACK/Flexible FAST Adhesive System can qualify for upgraded wind speed warranties of 80–120 mph with design enhancements
- » Increased Hail Performance
  - Passes FM's severe hail test
  - Passes UL-2218 Class 4 rating
- » Expedient Installation without Interruptions
  - Labor-savings 10'-wide sheets result in 67% fewer seams than a modified bitumen system of comparable size
  - Factory-Applied Tape provides consistent seam quality and enhances productivity
- » Energy Efficient and Environmentally Sounds
  - Each layer of full coverage Flexible FAST provides an additional R-Value of .20-.50 per layer

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### An Ideal Re-Roofing Solution

**Convenience:** Due to the low noise and low odor associated with the system, the FleeceBACK/Flexible FAST assembly is an excellent choice for re-roofing occupied buildings, as there is minimal disruption

**Value:** Insulation adhered with Flexible FAST can reduce R-value loss by 3-8% by expanding and sealing insulation joints

**Performance:** Combination of FleeceBACK EPDM membrane with Flexible FAST adhesive increases puncture resistance up to 50% compared to traditional competitive low-rise adhesives

### Warranty

Consult your Authorized Applicator or Carlisle Manufacturer's Representative/Distributor for associated warranty charges.

This system properly installed and inspected on a commercial project may receive:

- » A 5- or 10-year Membrane System Warranty, with a wind-speed coverage of up to 80 mph (covers adhesion to existing membrane is available).
- » A 10-, 15-, 20-, 25 or 30-year Golden Seal Warranty may be requested when all materials used for the roofing installation are manufactured by Carlisle. The 25-year Golden Seal Warranty requires the use of Sure-White 145-mil FleeceBACK. The 30-year Golden Seal Warranty requires the use of Sure-Seal 145-mil FleeceBACK. A maximum peak gust wind speed coverage of 80 mph is standard.
- » Refer to Carlisle's currently published specifications and details for additional warranty information and specific requirements concerning the application of this roof.

For more specifics or for International warranty programs, contact Carlisle.

### Warranty Options

Mil-Thickness	Warranty Length	Accidental Puncture Coverage	Hail Coverage with Flexible FAST
100-mil	5, 10, 15 year	8 man-hours per year	Up to 1" diameter hail
115-mil	20 year	16 man-hours per year*	Up to 2" diameter hail*
145-mil	25 or 30 year	32 man-hours per year*	Up to 3" diameter hail*

\*An additional 4 man-hours of accidental puncture and 1" hail coverage is available when Flexible FAST is applied in 4" beads or full spray.

Existing or New Deck Type	New Construction					Re-roofing		
	Steel	Plywood	Lt. Wt. Concrete	Structural Concrete	Gypsum & Fibrous Cement	Smooth BUR Surface	Gravel Surfaced BUR	Existing Single-Ply
Insulation Required	Yes	No	No	No	No	No	Yes	*Refer to specs
Recommended Insulations	Carlisle Polyiso, Carlisle HP Recovery Board or Carlisle Polyiso over Carlisle Polystyrene							
Insulation Attached By	Flexible FAST Adhesive or Carlisle Fasteners							
Membrane Attached By	Flexible FAST Adhesive							

FOR TEAR OFF OPTIONS REFER TO NEW CONSTRUCTION ABOVE.

For current code approvals and warranties, visit Carlisle's web site or contact a design analyst.

\*Refer to Carlisle's Design Criteria Portion of the Current Specification.