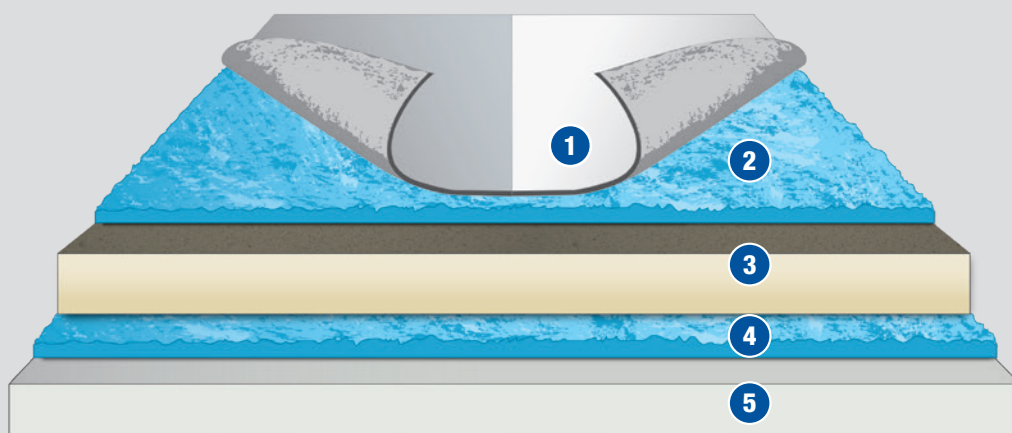


# FleeceBACK® TPO

## Adhered Roofing System



- 1** FleeceBACK TPO Membrane
- 2** Flexible FAST™ Adhesive
- 3** Approved Carlisle Insulation
- 4** Flexible FAST Adhesive
- 5** Approved Roof Deck

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

Thickness	Roll Size	Color
100-mil	6' x 100' 12' x 50' 12' x 100'	White White White, Gray, Tan
115-mil (APEEL Available)	6' x 100' 12' x 50' 12' x 100'	White, Gray, Tan* White, Gray White, Gray, Tan*
135-mil (APEEL Available)	6' x 75' 12' x 75'	White, Gray, Tan White, Gray, Tan

\*Five special colors are available: medium bronze, patina green, rock brown, terra cotta, and slate gray

### Description

Carlisle's FleeceBACK TPO is reinforced and enhanced with fleece, creating a very tough, durable and versatile sheet that is ideal for re-roofing or new construction projects.

All FleeceBACK TPO membranes utilize Octaguard XT™ weathering package technology to withstand extreme durability testing intended to simulate exposure to severe climates.

Carlisle FleeceBACK TPO 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. TPO FleeceBACK membranes are installed using Flexible FAST Adhesive for a VOC-free, quite, low-odor, non-penetrating application and a roof system that offers superior wind uplift.

### System Features & Benefits:

- » Added Puncture / Tear Resistance
  - Fleece backing provides 30% greater puncture resistance than standard membrane
  - Combination of FleeceBACK TPO membrane with Flexible FAST adhesive increases puncture resistance up to 50% compared to traditional competitive low-rise adhesives
- » Superior Wind Uplift
  - Uplift pressures ranging from 90–990 psf depending on the substrate
- » Increased Hail Performance
  - Passes FM's severe hail test
  - Passes UL-2218 Class 4 rating
- » Expedient Installation without Interruptions
  - Labor-savings 12'-wide sheets result in 75% fewer seams than a modified bitumen system of comparable size
- » Energy Efficient and Environmentally Sound
  - Insulation adhered with Flexible FAST can reduce R-value loss by 3-8% by expanding and sealing insulation joints
- » Flexible FAST Adhesive offers elongation properties up to 150%

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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 TPO 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; peak gust wind speed coverage up to 80 mph
- » A 10-year, 15-year or 20-year Golden Seal™ Total System Warranty may be requested when all materials used for the roofing installation are manufactured or marketed by Carlisle
- » A maximum peak gust wind speed coverage of 120 mph is available with design enhancements
- » A 10-year Reflective Warranty is available for white membrane
- » A limited accidental puncture warranty is also available when using FleeceBACK TPO 115 and 135-mil
  - Additional accidental puncture coverage can be obtained through the use of Flexible FAST Adhesive along with FleeceBACK TPO 115-mil and 135-mil membranes

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

### Warranty Options

Mil-Thickness	Warranty Length	Accidental Puncture Coverage	Hail Coverage
100-mil	5, 10, or 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*
135-mil	25 or 30 year	32 man-hours per year	Up to 2" 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	Wood Planks	Gypsum & Fibrous Cement	Smooth Surface BUR	Gravel Surfaced BUR	Existing Single-Ply
Insulation Required	Yes	No	No	No	No	No	No	Yes	No
Recommended Insulations	Carlisle Polyiso, SecurShield® HD, DensDeck® or SECUROCK® over acceptable insulation								
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 FleeceBACK TPO Design Criteria portion of the current specifications.