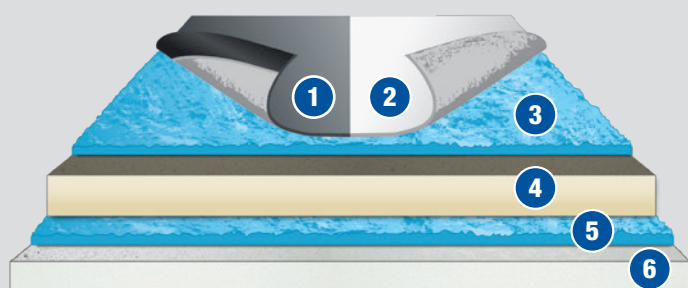
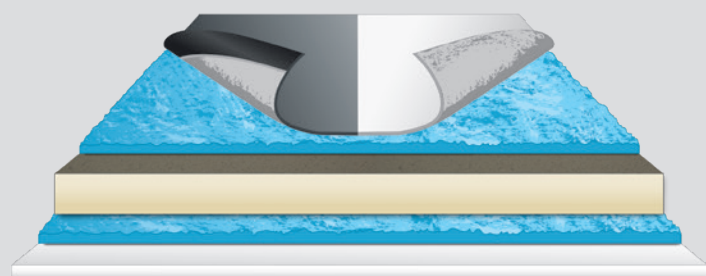


# FleeceBACK®

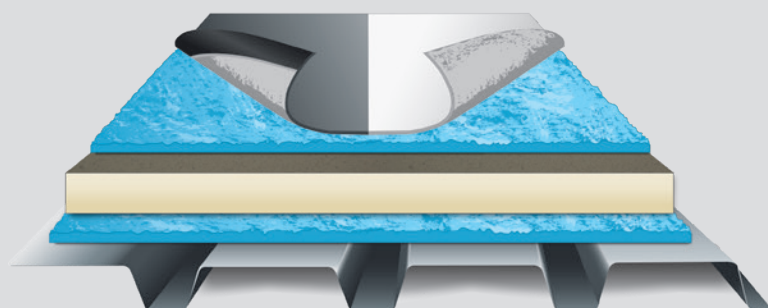
## Adhered System - Structural Deck



Structural Concrete Deck

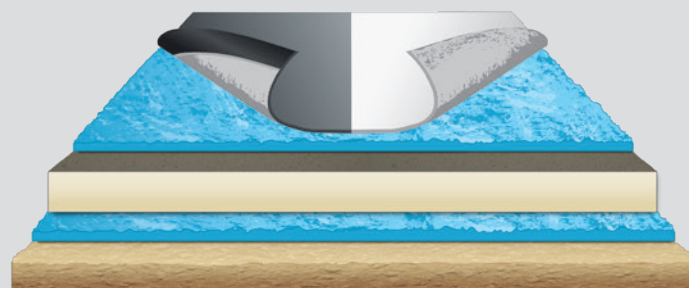


Gypsum Deck

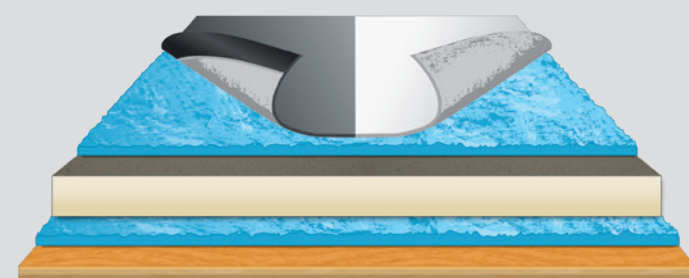


Steel Deck

- 1 FleeceBACK EPDM Membrane with Factory-Applied Tape™
- 2 FleeceBACK TPO, PVC, or KEE HP Membrane
- 3 Flexible FAST™ Adhesive
- 4 Approved Carlisle Insulation
- 5 Flexible FAST Adhesive
- 6 Approved Roof Deck



Tectum Deck



Wood Deck

### Description

Carlisle's FleeceBACK systems provide a totally non-penetrating, tough, durable roof that meets the demands of design professionals and building owners alike. With the popularity of exposed ceiling construction, there is a real desire to avoid the use of mechanical fasteners. Additionally, building occupants are exposed to the noises and disruptions associated with standard fastening methods. Installing a FleeceBACK membrane using Flexible FAST Adhesive provides a quiet installation with virtually no odors or VOCs, while outperforming the holding strength of standard fasteners.

This roofing option incorporates a FleeceBACK EPDM, TPO, PVC, or KEE HP membrane that is adhered to an acceptable insulation. The insulation is adhered to the structural decking, which includes concrete, gypsum, tectum, steel, and wood. Using Flexible FAST adhesive for each layer can improve the energy efficiency performance of roof systems by eliminating thermal bridges created by alternative installation methods. Adjoining sheets of FleeceBACK EPDM membrane are spliced together using 3"- or 6"-wide Factory-Applied Tape; sheets of FleeceBACK TPO or PVC membrane are joined together with a minimum 1 ½"-wide hot air weld.

# FleeceBACK

## Adhered System - Structural Deck



### An Ideal Re-Roofing Solution

**Convenience:** No VOCs, low odor, low noise, and speed of application minimize occupied building disruptions

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

**Performance:** Up to 4" hail resistance and up to 50% greater puncture resistance than competitive systems

### Warranty

- » 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
- » 25-year and 30-year Total System Warranties are available
- » A maximum peak gust wind speed coverage of 120 mph is available with design enhancements
- » A limited accidental puncture warranty is available

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

### System Features & Benefits:

- » Non-penetrating, low noise, low odor
  - Solution for occupied buildings
- » Flexible FAST Adhesive is VOC-free
- » Energy efficient and environmentally sound
  - Flexible FAST Adhesive provides an additional R-value of 0.2 to 0.5 per layer installed when used in full coverage application
  - Eco-friendly Flexible FAST Adhesive qualifies as having low GWP and ODP
  - Minimizes disposal and landfill costs
- » Added puncture/tear resistance
  - 33-50% greater puncture resistance compared to standard systems
  - 33-66% increased hail protection when compared to standard systems (protects up to 4" hail)
  - Passes FM's severe hail test
  - Results in fewer leaks than traditional systems
- » Flexible FAST elongation properties of 150%
  - Flexible FAST Adhesive expands and bonds to porous decks, adding structural integrity to the system
  - Consistent elongation of 150% allows the adhesive to expand and contract with the building
- » Superior wind uplift performance
  - Uplift pressures ranging from 90–990 psf depending on the substrate
- » Expedient installation without interruptions
  - Labor-saving 10'- and 12'-wide sheets result in 67-72% fewer seams than a modified bitumen system of comparable size
  - Increases productivity on the roof, which lowers the cost of labor

	New Construction						Re-roofing		
Existing or New Deck Type	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.