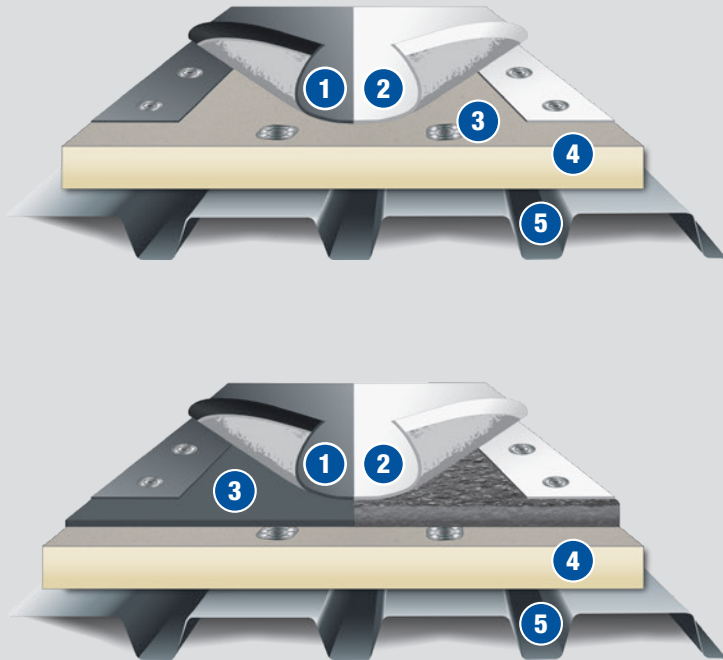


FleeceBACK®

Mechanically Fastened Roofing System



Typical Application

- 1 FleeceBACK EPDM or AFX EPDM Membrane with Factory-Applied Tape™
- 2 FleeceBACK TPO, PVC, KEE HP or AFX TPO Membrane
- 3 Carlisle Plates and Fasteners
- 4 Approved Carlisle Insulation
- 5 Approved Roof Deck

Recovery Application

- 1 FleeceBACK EPDM or AFX EPDM Membrane with Factory-Applied Tape
- 2 FleeceBACK TPO, PVC, KEE HP or AFX TPO Membrane
- 3 Existing Roof
- 4 Existing Insulation
- 5 Existing Roof Deck

FleeceBACK Membranes for mechanically fastened roofing systems are available in the following:

| Membrane | Thicknesses | Color |
|----------|-------------------------------|--|
| EPDM | 100-mil 115-mil 145-mil | Black and White Black and White Black and White |
| TPO | 100-mil 115-mil 135-mil | White, Gray, and Tan White, Gray, Tan, and Special Colors* White, Gray, and Tan |
| PVC | 115-mil 135-mil | White, Gray, Tan, Light Gray, and Slate Gray White, Gray, Tan, Light Gray, and Slate Gray |
| KEE PVC | 105-mil 115-mil 135-mil | White, Gray, and Tan White, Gray, and Tan White, Gray, Tan, and Light Gray |
| AFX EPDM | 90-mil 105-mil | Black Black and White |
| AFX TPO | 120-mil 135-mil 135-mil | White White White |

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

System Features & Benefits:

- » Added Puncture / Tear Resistance
 - Fleece backing provides 30-40% greater puncture resistance and up to 180% greater tear resistance than standard membrane
- » Increased Hail Performance
 - Passes FM's severe hail test
 - Passes UL-2218 Class 4 rating
- » Expedient Installation Without Interruptions
 - » Labor-savings 10'- and 12'-wide sheets result in 67-72% fewer seams than a modified bitumen system of comparable size
 - » Recovery applications reduce noise and disruptions by eliminating tear-offs.

FleeceBACK®

Mechanically Fastened Roofing System



An Ideal Re-Roofing Solution

Convenience: No VOCs, low odor, and speed of application minimizes disruptions when re-roofing an occupied building

Value: Reduces recovery application costs up to 53%

Performance: Increased wind uplift performance compared to traditional systems

Job Conditions

- » Refer to Carlisle specifications and details for project-specific job conditions.

Roof Deck/Substrate Criteria

A proper substrate shall be provided by the building owner. The structure shall be sufficient to withstand normal construction loads and live loads.

Defects in the roof deck must be reported and documented to the specifier, general contractor, and building owner for assessment.

When the application is FleeceBACK directly over aged single-ply membrane, the use of like-color membrane is required.

| Existing or New Deck Type | New Construction | | | | | | Re-roofing | | |
|---------------------------|--|--|-------------------------------|------------------------------------|------------------------------|-------------------------------|-----------------------------|---------------------|---------------------|
| | Steel | Plywood or OSB | LT. WT. Insulating Concrete | Structural Concrete | Wood Planks | Gypsum & Fibrous Cement | Smooth BUR Surface | Gravel Surfaced BUR | Existing Single-Ply |
| Deck Overlayment Required | Insulation | No | No | No | Insulation | Insulation | No | Insulation | No* |
| Recommended Insulations | Carlisle Polyiso, Carlisle HP Recovery Board or Carlisle Polyiso over Carlisle Polystyrene | | | | | | | | |
| Insulation Attached By | Carlisle Fasteners and Plates | | | | | | | | |
| Membrane Attached By | HPX Fasteners/PIRANHA™ Plates; HP-XTRA Fast/PIRANHA XTRA Plate | HPX Fasteners/PIRANHA Plates; HPXTRA Fast/PIRANHA Xtra Plate | Lt. Wt. Deck Fasteners/Plates | CD-10 or HD 14-10 Fasteners/Plates | HPX Fasteners/PIRANHA Plates | Lt. Wt. Deck Fasteners/Plates | ← Refer to New Construction | | |

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 Sure-Flex Design Criteria Portion of the Current Specification.

Warranty Options

- » A 10-, 15-, and 20- year Membrane System Warranty, with a wind-speed coverage of up to 72mph is available.
- » 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 Carlisle Material Warranty is available.
- » Refer to Carlisle's currently published specifications and details for additional warranty information and specific requirements concerning the application of this roof.

