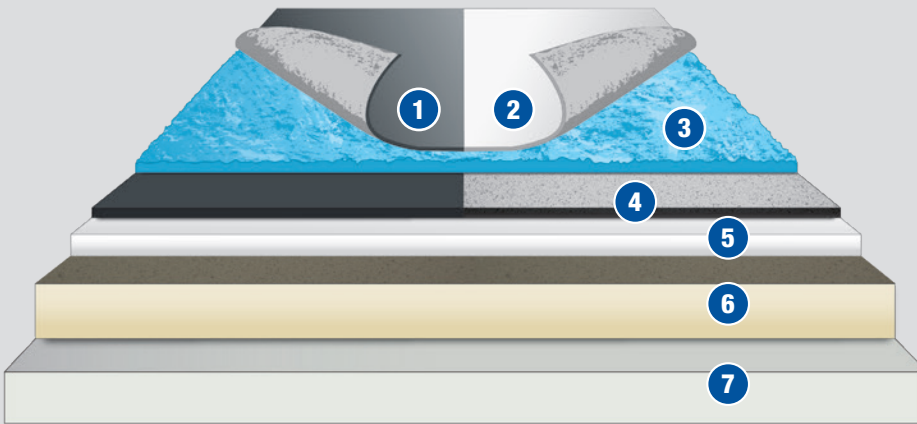


FleeceBACK®

Adhered System - Over Existing Modified Asphalt Systems



- 1** FleeceBACK EPDM Membrane with Factory-Applied Tape™
- 2** FleeceBACK TPO, PVC, or KEE HP Membrane
- 3** Flexible FAST™ Adhesive
- 4** Existing Modified Asphalt System
- 5** Existing Cover Board
- 6** Existing Insulation
- 7** Existing Roof Deck

FleeceBACK Membranes for adhered 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, and Tan* 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

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

Description

FleeceBACK and Flexible FAST Adhesive systems offer an effective and affordable means to re-roof existing modified asphalt systems. The polyester-fleece reinforcement adds 30–40% puncture resistance to the roofing assembly and provides separation between the old existing modified asphalt and new roofing system. Flexible FAST Adhesive is applied in full spray, splatter, or beads directly to the existing roof system, resulting in a tenacious bond and redundant waterproofing layer. The unique water-resistant nature of Flexible FAST Adhesive combined with FleeceBACK

membrane's ability to allow vapor pressure to dissipate across the field of the roof, makes recovering existing modified asphalt systems an economical and environmentally sound roofing option.

This recovery option consists of a FleeceBACK EPDM, TPO, PVC, or KEE HP membrane that is directly adhered to an existing modified bitumen system using Flexible FAST adhesive.

Please reference the guide-spec for information regarding products, warranty options, and installation. For installation advice, please contact your local Field Service Representative or FleeceBACK Technical Specialist.

System Features & Benefits:

- » Ideal for occupied buildings
- » Non-penetrating, low noise, low odor
- » Flexible FAST adhesive is VOC free
- » Flexible FAST adhesive provides an additional R-value of 0.2 to 0.5 per layer installed when used in full coverage application
- » 33-50% greater puncture resistance compared to standard membranes
- » 33-66% increased hail protection when compared to standard membranes hail warranties are available upon request
- » FleeceBACK recovery application minimizes disposal and landfill costs

FleeceBACK®

Adhered System - Over Existing Modified Asphalt System



An Ideal Re-Roofing Solution

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

Value: Reduces recovery applications costs up with to 53%

Performance: Up to 4" hail resistance and up to 40% greater puncture resistance than competitive systems

Job Conditions

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

Warranties

- » A 5- or 10-year Membrane System Warranty, with a wind-speed coverage up to 80 mph.
- » A 10-, 15- and 20-year Total System Warranty, with a wind speed coverage up to 72mph is available.
- » A hail-resistance warranty may be included, please refer to the Warranty Option chart for details.
- » A limited accidental puncture warranty is also available, please refer to the Warranty Option chart for details.
- » Refer to Carlisle's currently published specifications and details for additional warranty information and specific requirements concerning the application of this roof.

Roof Deck/Substrate Criteria

Existing Roofing Material	Acceptable for Carlisle Warranty
Smooth BUR	Yes ¹
Gravel BUR	Yes ^{2 & 6}
Mineral Cap Sheet	Yes
Granular Modified-Bitumen	Yes
Smooth Modified-Bitumen	Yes
Coal Tar Pitch	Yes ³
Granular Modified-Bitumen APP	Contact Carlisle
Smooth Modified-Bitumen APP	No
Aluminum-Coated BUR	Yes ⁴
Unweathered Asphalt	Yes ⁵

¹ Existing Smooth BUR must be Type III or IV asphalt if the (Black) FleeceBACK EPDM, FleeceBACK PVC and KEE HP, or FleeceBACK TPO membrane is to be installed directly without insulation.

² A minimum ½" HP Recovery Board or insulation is required over properly prepared gravel BUR. FleeceBACK membrane cannot be installed directly over a gravel/slag surface.

³ An insulation providing the necessary R-value must be specified to prevent the coal tar pitch from softening. FleeceBACK membranes cannot be installed directly to coal tar pitch.

⁴ Any loose coatings must be removed by power-washing or by physical abrasion prior to the application of Flexible FAST Adhesive. A test installation over the aluminum-coated smooth BUR is recommended to ensure the aluminum coating is fully adhered.

⁵ Splatter, 6" or 12" o.c. beads requires CAV-GRIP® III for all applications.

⁶ Splatter application NOT approved.

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. The Carlisle Authorized Roofing Applicator shall not proceed unless the defects are corrected.

When fasteners are to be used for insulation attachment, refer to Part I "Design Criteria" of the FleeceBACK specification for acceptable fasteners and minimum fastener pullout requirements.

Prior to direct application over the existing mod-bit materials, loose granules need to be removed by sweeping, blowing or power brooming. Refer to Carlisle's specifications for further information.