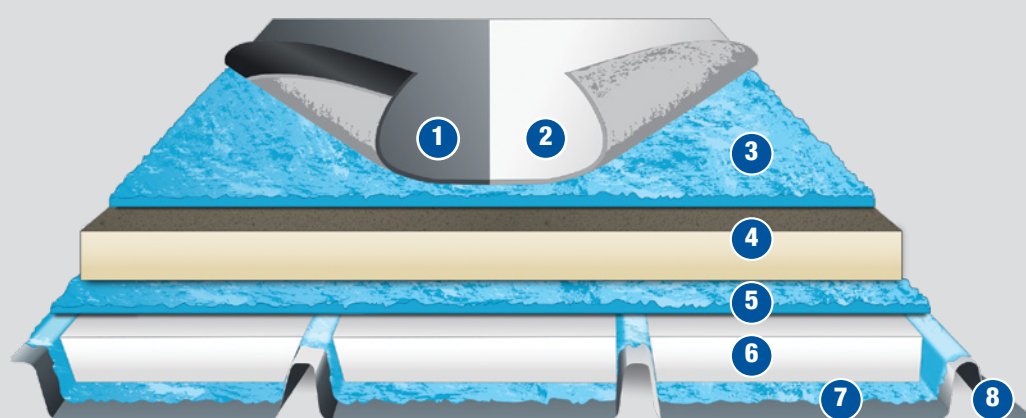


# FleeceBACK®

## Adhered System - Standing Seam Metal Retrofit



- 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 Carlisle Flute Fill Insulation
- 7 Flexible FAST Adhesive
- 8 Existing Metal Roof

### 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 HP 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 provide a unique, non-penetrating solution for any standing seam metal retrofit project. Carlisle's Flexible FAST adhesive is ideally suited for standing seam metal roofs due to its industry-leading elongation properties. With up to 150% elongation, each layer of of Carlisle's innovative adhesive will withstand the thermal expansion and contraction of the metal deck. Using Carlisle's two-component Flexible FAST Adhesive to fully adhere flute fill insulation, subsequent layers of

insulation or recovery board and Carlisle's FleeceBACK membrane will eliminate the typical concern with low-pullout values and the typical 3 – 8% loss in R-value from thermal bridging of fasteners. This retrofit option consists of a FleeceBACK EPDM, TPO, PVC, or KEE HP membrane that is adhered to an approved Carlisle insulation 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 (protects up to 4" hail)
- » Increases productivity on the roof, which results in a solution for cost of labor

# FleeceBACK®

## Adhered System - Standing Seam Metal Retrofit



### An Ideal Re-Roofing Solution

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

**Value:** Reduces recovery applications costs up to 53%

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

### 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. Expansion joints may be required to allow for building movement.

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 for acceptable fasteners.

On retrofit-recover projects, the surface must be cleaned using compressed air or hand/power brooms to remove dust, loose dirt or debris. If surface rust is present, refer to Carlisle's specifications for details.

### Job Conditions

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

### Warranties

- » A 10-, 15- or 20-year Total Roofing System Warranty is available on commercial projects which utilize all components manufactured or marketed by Carlisle. Upon review by Carlisle, Total System Warranty projects can receive a maximum peak gust wind speed up to 120 mph. Contact Carlisle for specific construction design requirements.
- » 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 specific requirements concerning the application of this roof.