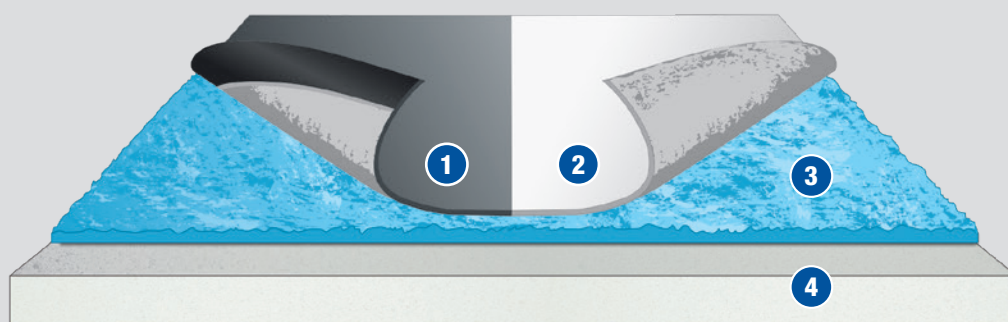


FleeceBACK®

Adhered System - Over Lightweight Concrete



- 1** FleeceBACK EPDM Membrane with Factory-Applied Tape™
- 2** FleeceBACK TPO, PVC, or KEE HP Membrane
- 3** Flexible FAST™ Adhesive
- 4** Lightweight Concrete 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, 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

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

Description

Carlisle's FleeceBACK system offers tremendous protection to Lightweight Insulating Concrete decks due to its ability to bond directly to the deck with a two-component Flexible FAST Adhesive. Flexible FAST Adhesive provides a VOC-free option that will expand into the cellular structure of the concrete deck forming a tenacious bond and redundant waterproofing layer. The fleece-backing provides a venting feature to avoid pressure build-up in any one area.

This roofing option consists of a FleeceBACK EPDM, TPO, PVC, or KEE HP membrane that is adhered to an acceptable insulation or cellular/perlite lightweight insulating concrete using Flexible FAST Adhesive applied in full spray, splatter, or beads.

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:

- » Wind uplift ratings in accordance with Factory Mutual FM 4470, ANSI/FM 4474 and Florida TAS 114
- » 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)
- » Minimizes landfill and disposal costs-Increases productivity on the roof, which results in a solution for cost of labor

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Job Conditions

- » When temperatures are between 25°F (-4°C) and 120°F (49°C) Flexible FAST adhesive can be used for application.

Warranties

- » A 10-, 15-, 20-year Membrane System Warranty is available for direct applications.
- » A Carlisle Membrane Material Warranty is available.
- » Refer to Carlisle's currently published specifications and details for specific requirements concerning the application of this roof.
- » Contact Carlisle's Project Review Team for specific requirements.

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. Vented steel decking with a maximum 0.5% opening can be specified for cellular decks. The Carlisle Authorized Roofing Applicator shall not proceed unless the defects are corrected.

Prior to direct application over new lightweight insulation concrete, a cure time of a minimum 48 hours should be followed. Consult with the lightweight insulation concrete manufacturer for verifying any additional drying time.

When using Flexible FAST Adhesive for membrane installation directly over a lightweight concrete roof deck (new or tear-off), the deck surface must be cleaned using compressed air, vacuum equipment or hand / power brooms to remove dust, loose dirt or debris. If excessive dust or dirt is present, a primer may be required prior to application of the adhesive. Contact Carlisle for specific requirements.