



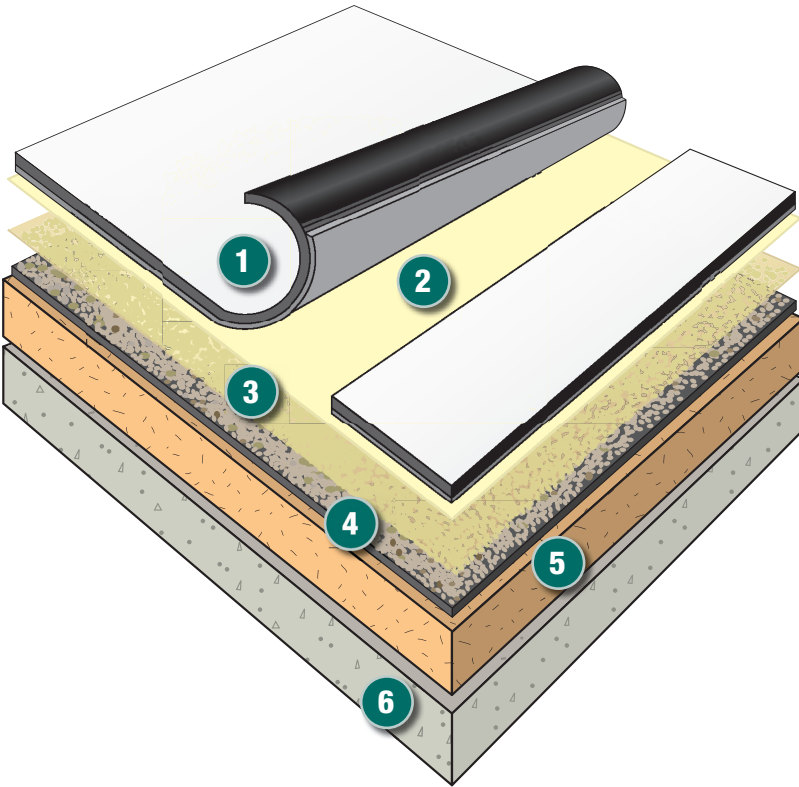
# FLEECEBACK<sup>®</sup>

AGED GRAVEL BUR RECOVER



## TYPICAL RECOVER

- 1 FleeceBACK 100-, 115- or 145-mil membrane with Factory-Applied Tape
- 2 Insulating FAST Adhesive™
- 3 SPF-245 Insulation
- 4 Gravel BUR Surface
- 5 Existing Insulation
- 6 Existing Roof Deck



Carlisle's FleeceBACK EPDM membrane, FAST Adhesive and SPF-245 Insulation utilize BASF technology to provide the ultimate combination in durability, wind uplift resistance, energy efficiency and waterproofing. Ideally suited for recovering aged gravel BUR or other asphalt based roofing systems, Carlisle's SPF-245 polyurethane foam insulation is spray-applied to a properly prepared gravel BUR surface. This provides a monolithic, seamless blanket of waterproof insulation acting as an air barrier. Following the application of the SPF-245 Insulation, Carlisle's unique insulating FAST Adhesive is applied providing a tenacious mechanical bond between the polyester fleece backing and the SPF-245 Insulation. The 100-, 115- or 145-mil thick FleeceBACK membrane is then installed to resist punctures, damage from foot traffic and UV and hail damage. Additional system features include:

- 10-, 15-, or 20-year Total System Warranties
- 80 mph wind speed coverage
- Optional coverage for 1", 2" or 3" hail and accidental puncture
- Minimal disruption from noise or odors
- Minimizes landfill and disposal costs
- Enhances thermal efficiency
- Redundant waterproofing layers



Sure-White™ EPDM FleeceBACK is positioned to allow the application of FAST Adhesive.

**Investing in Roofing Solutions for Over 45 Years**

800-479-6832 • P.O. Box 7000 • Carlisle, PA 17013  
 Fax: 717-245-7053 • [www.carlisle-syntec.com](http://www.carlisle-syntec.com)





# FLEECEBACK

## AGED GRAVEL BUR RECOVER

### Description

The FleeceBACK Fully-Adhered Roofing System incorporates Sure-Seal® (black) or Sure-White (white-on-black) non-reinforced EPDM membrane laminated to non-woven polyester fleece-backing. The membrane is fully-adhered with FAST Adhesive to Carlisle SPF-245 Insulation that has been spray applied over existing dry gravel BUR. Adjoining sheets of membrane are spliced together a minimum of 3" (8 cm) using Factory-Applied SecurTAPE™.

### Quality Assurance

This roofing system must be installed by a Carlisle Authorized Roofing Applicator and BASF Q1 Applicator in compliance with shop drawings as approved by Carlisle. There must be no deviations made from Carlisle's specifications or the approved shop drawings without the PRIOR WRITTEN APPROVAL of Carlisle. Upon completion of the installation, an inspection will be conducted by a Field Service Representative of Carlisle to ascertain that the roofing system has been installed according to Carlisle's specifications and details.

For specific code approvals achieved with this system, refer to Carlisle's FleeceBACK Code Approval Guide, FM Approval Guide or UL Fire Resistance and Roofing Materials and Systems Directories.

To ensure compliance with Carlisle's minimum warranty requirements all projects must be forwarded to Carlisle for review.

### Product Delivery, Storage and Handling

Deliver materials to the job site in the original, unopened containers labeled with the manufacturer's name, brand name and installation instructions.

Job site storage temperatures in excess of 90°F (32°C) may affect shelf life of curable materials (i.e., FAST Adhesive, SPF-245, splicing cement, sealants, cleaners, primers, SecurTAPE, Pourable Sealer, Pressure-Sensitive Flashing and uncured flashing). Carlisle SPF-245 should be stored between 50-80° F (10-27° C).

When liquid adhesives and sealants are exposed to lower temperatures, restore to a minimum of 60°F (16°C) before use. Do not store containers with opened lids due to loss of solvent, which will occur from flash off.

FleeceBACK Membrane should be stored in its original plastic wrap and be covered to protect from moisture. Any moisture absorbed by the fleece backing must be removed by using a wet-vac system, prior to membrane adhesion.

### Job Conditions

Do not apply Carlisle SPF-245 Insulation when surface and/or ambient temperatures are below 45°F (7°C). There is no maximum slope restriction for the application of this roofing system. On Sure-White FleeceBACK Roofing Systems, a slope greater than 1/8" per horizontal foot (1 cm/m) is recommended to serve long-term aesthetics.

Existing roofing material must be investigated and wet material must be removed. The existing roof must be properly secured at walls, curbs, skylights, etc. prior to installing the new FleeceBACK System. Existing gravel BUR roofing systems must be investigated and any loose or delaminated materials must be re-secured or removed and replaced with acceptable materials. Coordination between various trades is essential to avoid unnecessary rooftop traffic over sections of the roof and to prevent damage to the membrane.

### Warranty

A 10-, 15- and 20-year Total System Warranty, with a wind speed coverage up to 80 mph (measured at 10 meters above ground level), is available on commercial projects that 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 for up to 1" hail for FleeceBACK 100, up to 2" hail for FleeceBACK 115 and up to 3" hail for FleeceBACK 145.

A limited accidental puncture warranty is also available when using FleeceBACK 115-mil or 145-mil membrane.

Refer to Carlisle's currently published specifications and details for specific requirements concerning the application of this roof.

### Roof Deck/Substrate Criteria

The building owner shall provide a proper substrate. 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 gravel BUR, the existing roof must be hydro-vacced, power broomed, air blown or other suitable means to remove all loose gravel and accumulated dirt. Thoroughly inspect or test the roofing to determine if moisture is present within the roof assembly. Remove moisture-saturated insulation and replace with compatible materials. Thoroughly inspect the existing BUR for adhesion between felts, insulation, and deck. Fasten areas of poor adhesion. Cut out or fasten down blisters, buckles, wrinkles and fishmouths. Remove all soft mastic or other materials that might interfere with foam adhesion.

**Investing in Roofing Solutions for Over 45 Years**

800-479-6832 • P.O. Box 7000 • Carlisle, PA 17013

Fax: 717-245-7053 • [www.carlisle-syntec.com](http://www.carlisle-syntec.com)

Carlisle, FleeceBACK, Sure-Seal, Sure-White, SecurTAPE and FAST are trademarks of Carlisle.

REPRINT CODE: 602477 - FB-Aged Gravel BUR Recover Deck System Sheet - 051311 © 2011 Carlisle.

**CARLISLE**  
Carlisle SynTec

1-888-900-FOAM

BASF Corporation  
1703 Crosspoint Avenue  
Houston, TX 77054  
Fax: 713-383-4592  
[www.spf.basf.com](http://www.spf.basf.com)  
[spfinfo@basf.com](mailto:spfinfo@basf.com)