

CA-01GC-08-23

Carlisle's Code Alerts address issues pertaining to FM and UL, including industry updates, new approvals, and discussion of existing approved assemblies that may require additional clarification. The contents of each release will be customized to address specific field inquiries or to respond to unique market trends. Feedback concerning future topics is strongly encouraged.

Flexible FAST 'Rig' Splatter – FM Approvals

As part of Carlisle's testing program for high-performance and unique roofing system assemblies, the application of Flexible FAST Adhesive using the 'splatter' method is becoming a popular option when applied from the Predator, HULK, or Patriot Jr. Equipment Rig.

The following tables are categorized by deck/substrate type and intend to highlight the 'rig' splatter applications for both membranes and/or insulations and the Factory Mutual wind uplift ratings.

New Construction/Tear-Off Applications – Steel Deck (Membrane Application)

| Steel Deck | | | | | |
|---|--|--|--------------------------------|------------------------------------|----------------|
| Membrane | Attachment | Top Insulation Layer | Attachment Per 4 x 8 Board (2) | Base Insulation Layer | Max. FM Rating |
| FleeceBACK® membranes (EPDM, TPO, PVC, or KEE HP) | Flexible FAST Splatter @ 4.7 lb./sq. (1) | Min. 1/2" SECUROCK® or DensDeck® Prime | 32 Fasteners | Min. 1.5" InsulBase or SecurShield | 1-270 |
| | | Min. 2" StormBase™ | | | |
| | | Min 2" InsulBase or SecurShield® | | | |
| | | Min. 1/2" SecurShield HD | 16 Fasteners | 1-90 | |

Note 1: Applied from the Predator, HULK, or Patriot Jr. Equipment Rig

Note 2: Refer to the published Carlisle Design References document for fastening pattern layouts

New Construction/Tear-Off Applications – Steel Deck (Insulation Adhesive Application)

| Steel Deck | | | | | |
|--|---|--|--------------------------------------|---|----------------|
| Membrane/Attachment | Top Insulation Layer | Top Insulation Attachment | Base Insulation Layer | Base Insulation Attachment | Max. FM Rating |
| Any FM Approved Carlisle membrane currently listed over the cover boards, or subsequent insulation layers listed in Top Insulation Layer | Min. 1/2" SecurShield HD, EcoStorm VSH, DensDeck Prime, or SECUROCK Min. 1-1/2" InsulBase or SecurShield | Flexible FAST Splatter @ 4.7 lb./sq. (1) | Min. 1-1/2" InsulBase or SecurShield | Fastened to steel deck with appropriate steel deck fasteners and rates based on FM approval | 1-90 |

Note 1: Applied from the Predator, HULK, or Patriot Jr. Equipment Rig

New Construction/Tear-Off Applications – Concrete Deck (Membrane Application)

| Structural Concrete Deck | | | | | | |
|--|--|---|--|------------------------------------|--|----------------|
| Membrane | Attachment | Top Insulation Layer | Attachment | Base Insulation Layer | Attachment | Max. FM Rating |
| FleeceBACK membranes (EPDM, TPO, PVC, or KEE HP) | Flexible FAST Splatter @ 4.7 lb./sq. (1) | Min. 1/4" DensDeck Prime | Flexible FAST Splatter @ 4.7 lb./sq. (1) | Min. 1.5" InsulBase or SecurShield | Flexible FAST Splatter @ 4.7 lb./sq. (1) | 1-780 |
| | | Min. 2" InsulBase, SecurShield, or SecurShield HD Composite | | | | 1-780 |
| | | Min. 1/2" EcoStorm VSH | | | | 1-780 |
| | | Min. 1/2" SecurShield HD or SecurShield HD Plus | | | | 1-315 |
| | | Min 1/4" SECUROCK | | | | 1-270 |

Note 1: Applied from the Predator, HULK, or Patriot Jr. Equipment Rig

New Construction / Tear-Off Applications – Structural Concrete Deck (Insulation Adhesive Application)

| Concrete Deck | | | | | |
|--|---|--|--|--|---------------------|
| Membrane/Attachment | Top Insulation Layer | Top Insulation Attachment | Base Insulation Layer | Base Insulation Attachment | Max. FM Rating |
| Any FM Approved Carlisle membrane currently listed over the cover boards, or subsequent insulation layers listed in Top Insulation Layer | Min. 1/2" SecurShield HD, or EcoStorm VSH, Min. 1/4" DensDeck Prime, or SECUROCK Min. 1-1/2" InsulBase or SecurShield | Flexible FAST Splatter @ 4.7 lb./sq. (1) | Min. 1-1/2" InsulBase or SecurShield Min. 1" InsulFoam Type I, VII, IX, or II | Flexible FAST Splatter @ 4.7 lb./sq. (1) | 1-915 (max. rating) |

Note 1: Applied from the Predator, HULK, or Patriot Jr. Equipment Rig

These assemblies can be viewed on the FM Approvals RoofNav website: <https://www.roofnav.com/Account/Login>. Please consult the Carlisle Project Review Group with questions concerning specific project warranty requirements.

Tips for finding Rig Splatter Application in RoofNav

A search for splatter for membrane attachment can be configured in RoofNav using the following "Securement" listing:

RoofNav® Help · Support · Training codes · My Profile · Reset Password · Logout

Enter Assembly #

MY PROJECTS | PRODUCT SEARCH | SYSTEM SEARCH | **ASSEMBLY SEARCH** | RATINGS CALCULATOR | REFERENCE MATERIALS

Classifications Specifications Search Results

- Cover - Liquid Applied (Base Coat)
- Cover - Liquid Applied (Coat)
- Cover - Liquid Applied (Top Coat)
- Cover - Multi-ply (Base Ply)
- Cover - Multi-ply (Cap Ply)
- Cover - Multi-ply (Ply)
- Cover - Single-ply
- Cover - Standing/Lap Seam
- Insulation
 - Cover Board
 - Insulation - Batt/Blanket
 - Insulation - Board Stock
 - Insulation - Lightweight Insulating Concrete
 - Insulation - Spray Foam
 - Thermal Barrier
- Sheets
- Decking
- Surface Treatments
- Securements
 - Securement**
 - Self-Securement
- Miscellaneous

1 - Cover (Single-ply)

2 - Securement (Cover) MAP (1 → 3)

3 - Cover Board

Search Reset

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Within the “Securement” layer, you can add the following information to narrow your search down to an acceptable number of listings:

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Enter Assembly #

MY PROJECTS | PRODUCT SEARCH | SYSTEM SEARCH | **ASSEMBLY SEARCH** | RATINGS CALCULATOR | REFERENCE MATERIALS

Classifications Specifications Search Results

2 - Securement (Cover) Details

Company: [None Selected]

Trade Name: [Enter Trade Name Here] Begins with

Category: Securement

Subcategory: Adhesive

Approved Use: Adhesive (Full Application)

Adhesive (Full Application) Attributes

Material: (Select) Type: (Select)

Substrate Primer Rate Wet: gal/s... Substrate Primer Rate Dry: lb/sq...

Over Substrate Rate Wet: gal/s... Over Substrate Rate Dry: 4.7000 lb/sq...

Underside Rate Wet: gal/s... Underside Rate Dry: lb/sq...

Save Cancel Reset Layer Details

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