

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.

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	Min. 1/2" SECUROCK [®] or DensDeck [®] Prime							
		Min. 2" StormBase™	32 Fasteners	Min. 1.5" InsulBase or	1-270				
	Splatter @ 4.7 lb./sq. (1)	Min 2" InsulBase or SecurShield®		SecurShield					
		Min. 1/2" SecurShield HD	16 Fasteners		1-90				

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

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			
	Flexible FAST Splatter @ 4.7 Ib./sq. (1)	Min. 1/4" DensDeck Prime		Min. 1.5" InsulBase or SecurShield	Flexible FAST Splatter @ 4.7 Ib./sq. (1)	1-780			
FleeceBACK membranes (EPDM, TPO, PVC, or KEE HP)		Min. 2" InsulBase, SecurShield, or SecurShield HD Composite	Flexible FAST Splatter @ 4.7 lb./sq. (1)			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)

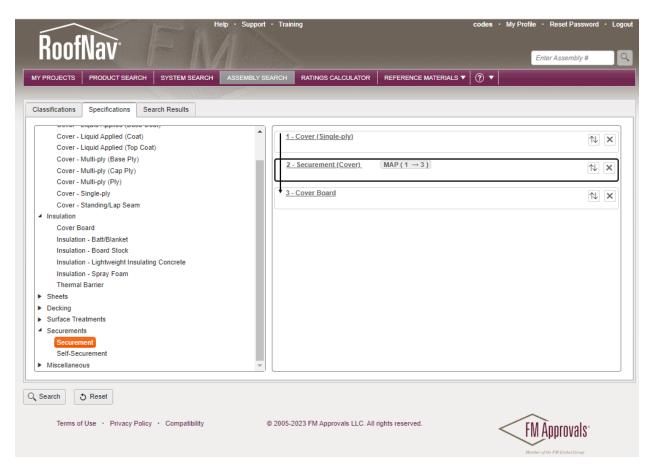
Concrete Deck									
Membrane/Attachment Top Insulation Layer		Top Insulation Attachment	Base Insulation Layer	Base Insulation Attachment	Max. FM Rating				
Any FM Approved Carlisle membrane currently listed over the cover boards, or subsequent insulation layers listed in Top Insulation Layer	Min. 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: <u>https://www.roofnav.com/Account/Login.</u> 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:



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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Classifications	Specifications	Search	Results								
2 - Secureme	nt (Cover) De	etails									
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Trade Name:	[Enter Trade N	Vame Hei	re]		Begins with						
Category:	Securement			•							
Subcategory:	Adhesive			•							
Approved Use:	Adhesive (Full	I Applicati	ion)	•							
Material: (Select)			•	Type:	t)		•				
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