



### Flexible FAST Approximate Coverage Rates

Coverage rates are based upon adhesive applied to a smooth flat surface (membrane or insulation); porous surfaces like granular cap sheets, gypsum, or concrete will use more adhesive, achieving coverage rates towards the lower end of the published range.

50 Gallon Drums	Full Spray	Splatter	4" o.c.	6" o.c.	12" o.c.
FT <sup>2</sup>	5,000 – 10,000	18,000-20,000	6,700 – 9,000	10,000 – 12,500	20,000 – 25,000
M <sup>2</sup>	465 – 929	1,672-1,858	622 – 836	929 – 1161	1858 – 2323
15 Gallon Drums	Full Spray	Splatter	4" o.c.	6" o.c.	12" o.c.
FT <sup>2</sup>	1,800 – 3,000	5,400-6,000	2,110 – 2,700	3,000 – 3,750	6,000 – 7,500
M <sup>2</sup>	167 – 279	502-557	196 – 251	279 – 348	557 – 697
5-Gallon Jugs	Full Spray	Splatter	4" o.c.	6" o.c.	12" o.c.
FT <sup>2</sup>	600 – 1,000	1,800-2,000	670 – 900	1,000 – 1,250	2,000 – 2,500
M <sup>2</sup>	56 – 93	167-186	62 – 84	93 – 116	186 – 232
Dual Tanks	Full Spray	Splatter*	4" o.c.	6" o.c.	12" o.c.
FT <sup>2</sup>	N/A	2,600-2,800	1,100-1,300	1,700-1,900	3,500-3,700
M <sup>2</sup>	N/A	242-260	102-121	158-177	325-344
Dual Cartridge	Full Spray	Splatter	4" o.c.	6" o.c.	12" o.c.
FT <sup>2</sup>	N/A	N/A	100 – 200	200 – 300	400 – 600
M <sup>2</sup>	N/A	N/A	9 – 18	18 – 28	37 – 55

\* Dual Tank Splatter is approved for FleeceBACK membrane attachment only.

### Flexible FAST Adhesive Substrate Compatibility

Material Type	Rig Compatability	Dual Tank Compatability	
	Membrane & Insulation	Membrane & Insulation	Membrane
Attachment Method	Full Spray, Beads, Splatter	Beads	Splatter (Membrane Only)
Insulation/Underlayments			
Insulbase® Polyiso	Yes	Yes	Yes
HP Recovery Board	Yes	Yes	No
Expanded Polystyrene (EPS)	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
Extruded Polystyrene	Yes <sup>2</sup>	Yes <sup>2</sup>	No
Spray Foam Insulation (SPF)	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>
Scarified SPF	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>
DensDeck® & DensDeck Prime	Yes	Yes	Yes
SECUROCK®	Yes	Yes	Yes
StormBase	Yes	Yes	Yes
SecurShield®, SecurShield HD, & SecurShield HD Plus	Yes	Yes	Yes



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	Membrane & Insulation	Membrane & Insulation	Membrane
Attachment Method	Full Spray, Beads, Splatter	Beads	Splatter (Membrane Only)
<b>Roof Decks</b>			
Concrete	Yes	Yes	Yes
Cellular Lt. Wt. Concrete (Min. 200 psi compressive strength)	Yes	Yes	Yes
Non-Vented Substrate Lt. Wt. Concrete	Yes	Yes	Yes
Gypsum	Yes	Yes	No
Cementitious Wood Fiber	Yes	Yes	No
Plywood/OSB	Yes	Yes	Yes
Painted Steel	Yes <sup>2</sup>	Yes <sup>2</sup>	No
Galvanized Steel	Yes <sup>2,4</sup>	Yes <sup>2,4</sup>	No
Acoustical Steel	Yes <sup>2,5</sup>	Yes <sup>2,5</sup>	No
Wood Plank	Yes <sup>2</sup>	Yes <sup>2</sup>	No
<b>Existing Roofing Materials</b>			
Smooth BUR	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes <sup>6</sup>
Gravel BUR	Yes <sup>7</sup>	Yes <sup>7</sup>	No
Mineral Cap Sheet	Yes	Yes	Yes <sup>8</sup>
Granular Modified-Bitumen	Yes	Yes	Yes <sup>8</sup>
Smooth Modified-Bitumen	Yes	Yes	Yes
Coal Tar Pitch	Yes <sup>9</sup>	Yes <sup>9</sup>	No
Granular Modified Bitumen APP	Yes	Yes	Yes <sup>8</sup>
Smooth Modified Bitumen APP	No	No	No
Aluminum-Coated BUR	Yes <sup>10</sup>	Yes <sup>10</sup>	Yes <sup>10</sup>
Acrylic-Coated SPF	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>
Silicone-Coated SPF	Yes <sup>11,3</sup>	Yes <sup>11,3</sup>	Yes <sup>11,3</sup>
Aged EPDM, Hypalon®, TPO	Yes <sup>12,14</sup>	Yes <sup>12,14</sup>	Yes <sup>12,14</sup>
Unweathered Asphalt	Yes <sup>13</sup>	Yes <sup>13</sup>	Yes <sup>13</sup>

1. EPS insulation cannot be used directly beneath black FleeceBACK® EPDM membrane unless a light-colored coating is specified. White FleeceBACK EPDM, FleeceBACK PVC, and FleeceBACK TPO membranes may be installed directly over minimum 1.5-lb.-density EPS; however, to obtain UL & FM codes, an overlayment of HP Recovery Board, DensDeck, SECUROCK or HP Polyiso insulation is required.
2. For insulation attachment only.
3. White FleeceBACK EPDM Membrane ONLY
4. For new galvanized steel decks, power-washing is necessary to remove finishing oil residue if present.
5. For acoustical steel decks, fill the flutes with fiberglass or other suitable fill insulation and tack in place with strips of duct tape 3' o.c., or other adhesive, prior to spraying the deck with Flexible FAST Adhesive.
6. Existing Smooth BUR must be Type III or IV asphalt if the black FleeceBACK EPDM, FleeceBACK PVC and KEE HP, or FleeceBACK TPO membrane is to be installed directly without insulation.
7. A minimum ½" HP Recovery Board or insulation is required over properly prepared gravel BUR. FleeceBACK membrane cannot be installed directly over a gravel/slag surface.
8. Adhesive pull test recommended.
9. An insulation providing the necessary R-value must be specified to prevent the coal tar pitch from softening. FleeceBACK membranes cannot be installed directly to coal tar pitch.
10. Any loose coatings must be removed by power-washing or by physical abrasion prior to the application of Flexible FAST Adhesive. A test installation over the aluminum-coated smooth BUR is recommended to ensure the aluminum coating is fully adhered.
11. Silicone-coated substrates must be scarified (coating removed) prior to the application of Flexible FAST Adhesive.
12. Power-washing aged EPDM, Hypalon, or TPO membrane is required prior to the application of Flexible FAST Adhesive.
13. Splatter, 6" or 12" o.c. beads requires CAV-GRIP® III as a primer for all applications.
14. Contact Carlisle for specific requirements on TPO recover.



### Cost Comparison by Packaging

Package Type	Full Spray (\$/sq. ft)	Splatter (\$/sq. ft)	4" O.C. (\$/sq. ft)	6" O.C. (\$/sq. ft)	12" O.C. (\$/sq. ft)
50-Gallon Drum	\$0.34	\$0.17	\$0.38	\$0.28	\$0.14
15-Gallon Drum	\$0.38	\$0.19	\$0.42	\$0.30	\$0.15
5-Gallon Jugs (Bag-in-a-Box)	\$0.51	\$0.26	\$0.57	\$0.41	\$0.20
Dual Tanks	N/A	\$0.47	\$0.85	\$0.60	\$0.31
Dual Cartridge	N/A	N/A	\$1.12	\$0.75	\$0.38

Please note: Cost comparisons are for estimating purposes only and do not reflect actual selling price. Please contact Carlisle for the most updated pricing information.

Equipment Options	Application Rate (gallons/minute)	Packaging Options	Heated Line	Application Methods	Sq/Ft second (6" beads)
HULK	2.3	50- and 15-gal drums	Yes	Splatter / Bead	2.3
Predator	1.5	50- and 15-gal drums	Yes	Full Spray / Bead	2.25
P55	2	50- and 15-gal drums	Yes*	Splatter / Bead	2.2
Patriot Jr.	2	15-gal drums and 5-gal jugs	Yes*	Splatter / Bead	2.2
EZY Loader	1.2	15-gal drums and 5-gal jugs	No	Bead	1.98
Dual Tanks	0.8	Self-Contained	No	Splatter / Bead	1.37
Pace Cart	0.5	15-gal drums and 5-gal jugs	No	Bead	1.17
Dual Cartridges	0.3	self-contained	No	Bead	0.83

\*Heated hose not included. Must request heated hose options from manufacturer.

### FleeceBACK and Flexible FAST Hail Coverage

Package Type	Full Spray	Splatter	4" o.c.	6" o.c.	12" o.c.
FleeceBACK EPDM 100-mil	2"	1"	2"	1"	1"
FleeceBACK EPDM 115-mil	3"	2"	3"	2"	2"
FleeceBACK EPDM 145-mil	4"	3"	4"	3"	3"
FleeceBACK TPO 100-mil	2"	1"	2"	1"	1"
FleeceBACK TPO 115-mil	3"	2"	3"	2"	2"
FleeceBACK TPO 135-mil	3"	3"	3"	3"	3"
FleeceBACK KEE HP 105-mil	2"	1"	2"	1"	1"
FleeceBACK PVC / KEE HP 115-mil	3"	2"	3"	2"	2"
FleeceBACK PVC / KEE HP 135-mil	3"	3"	3"	3"	3"

Please note: Hail coverage may require the use of an accepted cover board: DensDeck, SECURROCK, SecurShield HD or HD Plus, SecurShield HD Composite or StormBase Composite. Contact Carlisle for additional information.