

FleeceBACK® RL™

RapidLock Membrane

FleeceBACK RL EPDM, TPO

Code Approval Guide

December, 2018

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**UL Approval - ANSI/UL 790 Spread of Flame Test (Class A)
FleeceBACK RL Roofing System**

Membrane Sure-Seal FleeceBACK RL - 115membrane
Type: Sure-Weld FleeceBACK RL - 115 membrane

Non-Combustible: Steel; St. Concrete; Gypsum; Tectum (Min. 2" thick)

| System ID | Deck Type | Barrier | Insulation | Cover Board | Maximum Slope | |
|-----------|---------------------|--|---|--------------------------|-------------------------|-------------------------|
| | | | | | Sure-Seal FleeceBACK RL | Sure-Weld FleeceBACK RL |
| 1 | Non-Combustible (1) | N/A | (Optional) Any UL Classified Insulation, any combination, any thickness | ½-inch SecurShield HD RL | 1/2" | 1/2" |
| 2 | Non-Combustible (1) | N/A | InsulBase RL, any combination, any thickness | N/A | 1/2" | 1/2" |
| 3 | Combustible (2)(3) | ¼-inch DensDeck® Roofboard, DensDeck® Prime Roofboard, SECUROCK Glass-Mat Roof Board, SECUROCK Gypsum Fiber Roof Board | (Optional) Any UL Classified Insulation, any combination, any thickness | ½-inch SecurShield HD RL | 1/2" | 1/2" |
| 4 | Combustible (2)(3) | ¼-inch DensDeck® Roofboard, DensDeck® Prime Roofboard, SECUROCK Glass-Mat Roof Board, SECUROCK Gypsum Fiber Roof Board | InsulBase RL, any combination, any thickness | N/A | 1/2" | 1/2" |
| 5 | Combustible (2)(3) | N/A | Minimum 2.5-inch layer of InsulBase. | ½-inch SecurShield HD RL | 1/2" | 1/2" |
| 6 | Combustible (2)(3) | 1 layer of Carlisle FR Base Sheet | Minimum 1.4-inch layer of InsulBase. | ½-inch SecurShield HD RL | 1/2" | 1/2" |
| 7 | Combustible (2)(3) | N/A | Minimum 4-inch layer of any UL Classified EPS | ½-inch SecurShield HD RL | 1/2" | 1/2" |

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**UL Approval - ANSI/UL 790 Spread of Flame Test (Class B)
FleeceBACK RL Roofing System**

Membrane Sure-Seal FleeceBACK RL - 115membrane
Type: Sure-Weld FleeceBACK RL - 115 membrane

Non-Combustible: Steel; St. Concrete; Gypsum; Tectum (Min. 2" thick)

| System ID | Deck Type | Barrier | Insulation | Cover Board | Maximum Slope | |
|-----------|--------------------|---------|--------------------------------------|--------------------------|-------------------------|-------------------------|
| | | | | | Sure-Seal FleeceBACK RL | Sure-Weld FleeceBACK RL |
| 1 | Combustible (2)(3) | N/A | Minimum 1.4-inch layer of InsulBase. | ½-inch SecurShield HD RL | 1/2" | 1/2" |

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Factory Mutual Approvals
FleeceBACK RL Roofing System

InsulBase RL & Securshield HD RL Polyiso Ratings - New Construction

Membrane Type: Sure-Seal FleeceBACK RL - 115 membrane
Sure-Weld FleeceBACK RL - 115 membrane

| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening <small>(mechanically fastened see notes 4, 5 & 6)</small> | Top Insulation Layer | Top Layer Fastening <small>(mechanically fastened see notes 4, 5 & 6)</small> | Rating | Sure-Seal | Sure-Weld |
|---|--|----------------------------|---|--------|----------------|------------|
| | | | | | RoofNAV Number | |
| Steel Deck (Min. 22-Gauge) | | | | | | |
| Min. 1-1/2" InsulBase Polyiso | Loose-laid | Min 2" Insulbase RL | 8 (4 sq. ft) | 1-90 | 430381-0-0 | 430340-0-0 |
| Min. 1-1/2" InsulBase Polyiso | Loose-laid | Min 1/2" Securshield HD RL | 16 (2 sq. ft) | 1-90 | 430386-0-0 | 430385-0-0 |
| Min. 1-1/2" InsulBase Polyiso | Loose-laid | Min 2" Insulbase RL | 20 (1.6 sq. ft) | 1-150 | 430630-0-0 | 430426-0-0 |
| Concrete Deck | | | | | | |
| Min. 1-1/2" InsulBase Polyiso | Full-Coverage FAST | Min 2" Insulbase RL | Full-Coverage FAST | 1-285 | 430413-0-0 | 430423-0-0 |

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FleeceBACK® RL

Reference Notes

1. Insulated roof systems may be utilized over any type of existing roof system and maintain its new construction rating when the roof deck is noncombustible. ([return to table](#))
2. Insulated roof systems certified for use over combustible deck can be used over any type of existing roof system and maintain its new construction rating. ([return to table](#))
3. Insulated roof systems certified for use over noncombustible deck may be used over any type of Class A, B or C existing roof systems. The resultant Class will be the lesser rating of the existing system or the new construction (recover) system. ([return to table](#))
4. Sure-Seal HP fastener/Sure-Seal Insulation plate. ([return to table](#))
5. InsulFAST fastener/Sure-Seal Insulation plate. ([return to table](#))
6. InsulFAST fastener/SecurFAST Insulation Fastening plate. ([return to table](#))

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