

FleeceBACK® RL™

RapidLock Roofing Systems



- 1 FleeceBACK RL EPDM Membrane with RapidLock Technology
- 2 FleeceBACK RL TPO or FleeceBACK RL PVC Membrane with RapidLock Technology
- 3 Insulation Fasteners and Plates
- 4 InsulBase® RL or SecurShield® RL Polyiso with RapidLock Technology
- 5 InsulBase or SecurShield Polyiso
- 6 Steel Deck

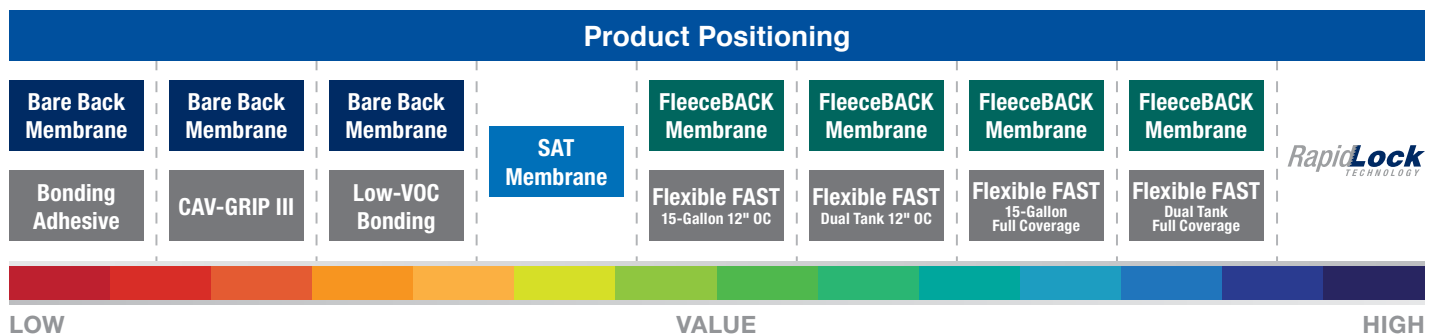
Overview

Carlisle's RapidLock (RL) Roofing System is a revolutionary membrane attachment method that provides a fully adhered system without the use of adhesives. The RL system utilizes VELCRO® Brand Securable Solutions along with 115 mil FleeceBACK RL EPDM, FleeceBACK RL TPO, or FleeceBACK RL PVC to achieve performance on par with traditional fully adhered single-ply systems. Underlayment options include InsulBase RL, SecurShield RL, or SecurShield HD RL Polyiso. The RL system is VOC- and odor-free, has no application temperature restrictions, and provides significant labor savings thanks to the simplicity of the system and ease of installation.



System Features & Benefits

- » No application temperature restrictions
- » VOC- and odor-free
- » Adhesive-less system saves time and labor
- » Integrated with an adhered slip sheet for ease of installation
- » Factory Mutual wind uplift ratings comparable to traditional fully adhered single-ply systems
- » Excellent resistance to hail and punctures



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FleeceBACK RapidLock (RL) EPDM

- » RL fleece is specifically designed to work with RL insulation facer
- » Superior wind uplift performance and ratings (up to FM 1-225)
- » Fleece reinforcement adds toughness, durability, and enhanced resistance to hail and punctures
- » Factory-Applied Tape™ provides consistent seam quality and enhances productivity

FleeceBACK RapidLock (RL) TPO

- » RL fleece is specifically designed to work with RL insulation facer
- » Superior wind uplift performance and ratings (up to an FM 1-225)
- » Fleece reinforcement adds toughness, durability, and enhanced resistance to hail and punctures
- » Wide window of weldability

FleeceBACK RapidLock (RL) PVC

- » RL fleece is specifically designed to work with RL insulation facer
- » Superior wind uplift performance and ratings (up to an FM 1-225)
- » Fleece reinforcement adds toughness, durability, and enhanced resistance to hail and punctures
- » Enhanced chemical resistance

RapidLock (RL) Polyiso Insulation/Cover Boards

- » RL facer specifically designed to work with RL membranes
- » Standard compressive strength Polyiso insulation and high-density insulating cover boards available
- » Contains 0% ozone-depleting components and no CFCs
- » Approved for direct application to steel decks

System Codes

- » UL Standard 790; Class A Roofing Systems
- » FM uplift values of up to 225psf can be achieved
- » For code specifics, refer to Carlisle's FleeceBACK Code Approval Guide.

Inspection

Upon installation completion, and prior to the issuance of a membrane system warranty, an inspection will be conducted by a Carlisle Field Service Representative.

Warranties

Consult your Carlisle Authorized Applicator, Manufacturer's Representative, or Distributor for associated warranty charges.

This system, properly installed and inspected on a commercial project, may receive:

- » A 10-, 15-, or 20-year Total System Warranty when all materials used for the roofing installation are manufactured or marketed by Carlisle
- » 90 mph maximum peak gust wind speed coverage
- » A 10-year Reflectivity Warranty (based on ENERGY STAR qualifications) for white membranes
- » Standard puncture and 2" hail warranty

For more specifics or for international warranty programs, contact Carlisle.



* ENERGY STAR recommends that using the Roof Savings Calculator (rsc.ornl.gov), which factors in both heating and cooling costs, to determine whether a cool roof will be an energy efficient choice for your geographic climate and building type.

New Construction								Recover			
Existing or New Deck Type	Steel	Plywood	Lt. Wt. Concrete	Structural Concrete	Wood Planks	Gypsum	Fibrous Cement	Existing Roof system	Smooth BUR Mineral cap sheet or SBS modified	Gravel BUR	Single-Ply
Insulation or Underlayment Required	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Insulation or Underlayment Required	Yes		Yes
Recommended Insulations or Underlayment	Carlisle InsulBase RL, SecurShield RL, or SecurShield HD RL							Recommended Insulations or Underlayments	Carlisle InsulBase RL, SecurShield RL, or SecurShield HD RL		
Insulation or Underlayment Attached By	Carlisle Flexible FAST Carlisle Fasteners and Plates							Insulation or Underlayment Attached By	Carlisle Flexible FAST Carlisle Fasteners and Plates		
Membrane Attached By	RapidLock System							Membrane Attached By	RapidLock System		

For new construction or tear-off options, code approvals and warranties, visit Carlisle's website or contact a Carlisle Design Analyst.