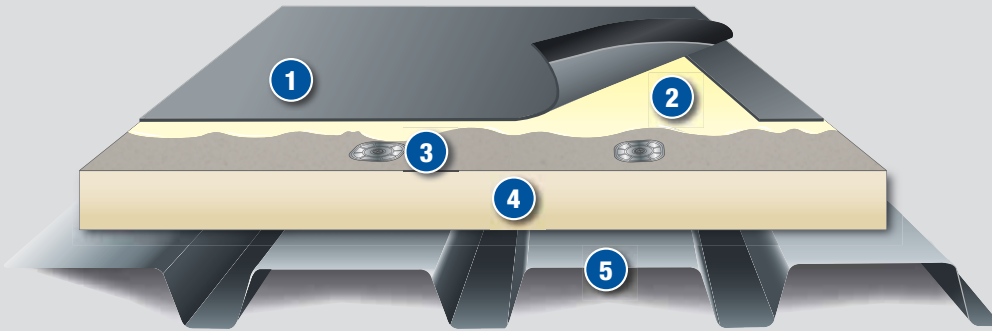


Sure-Seal® EPDM

Fully-Adhered Roofing Systems



- 1 Sure-Seal Membrane with Factory-Applied Tape (FAT™)
- 2 Carlisle Bonding Adhesive
- 3 Carlisle Fasteners and Plates
- 4 Acceptable Insulation
- 5 Approved Roof Deck

Sure-Seal EPDM Membranes for fully adhered roofing systems are available in the following:

Color	Black
Thicknesses (mils)	45, 60 and 90
Standard Widths	10' – 30'
Standard Lengths	50' – 100'

System Features & Benefits:

- » Over 50 years of proven performance
- » In colder climates, dark-colored EPDM reduces heating costs, which are generally 3–5 times greater than cooling costs
- » Industry leading UV resistance of 41,580 kJ/m²
- » Full thickness of weathering material, no internal scrim
- » 465% elongation results in superior hail damage resistance
- » Lowest global warming potential, acid rain and smog impact according to EPA's TRACI model

Existing or New Deck Type	New Construction						Re-roofing		
	Steel	Plywood or OSB	Lt. Wt. Concrete	Structural Concrete	Wood Planks	Gypsum & Fibrous Cement	Smooth Surface BUR	Gravel Surfaced BUR	Existing Single-Ply
Insulation Required	Yes	No	*Refer to Specs	No	Yes	Yes	No	Yes	Yes
Recommended Insulations	Carlisle Polyiso, OSB or SecurShield™ HD Cover Board over Polystyrene						← Refer to New Construction		
Insulation Attached By	FAST™ Adhesive (non-penetrating) or Carlisle Fasteners and Plates						← Refer to New Construction		
Membrane Attached By	Carlisle-Approved Bonding Adhesive						← Refer to New Construction		

FOR TEAR OFF OPTIONS REFER TO NEW CONSTRUCTION ABOVE.

For current code approvals, warranties and specifications and details, visit Carlisle's web site or contact Project Review.

* Refer to Carlisle's Adhered Design Criteria portion of the current specification for requirements.

Sure-Seal® EPDM

Fully-Adhered Roofing Systems

Installation

Carlisle's fully adhered roofing system utilizes 45-, 60- and 90-mil Sure-Seal non-reinforced or 45-, 60- and 75-mil Sure-Tough™ reinforced membranes.

Insulation is either mechanically fastened to the roof deck every two square feet, adhered with FAST Adhesive or other Carlisle approved insulation adhesive. Membrane is adhered to the insulation with Carlisle Approved Bonding Adhesive. Adjoining sheets of EPDM are spliced together a minimum of 3" using Carlisle's SecurTAPE™ or FAT™ seam technology.

The above information represents a typical Carlisle fully adhered roofing system. Refer to Carlisle's published specifications and details for more complete information.

Membrane and System Strengths

- » Carlisle manufactures all major components of the roof system
- » Dimensionally stable in both hot and cold climates
- » No slope restrictions
- » Lightweight assembly for a variety of decks
- » Reduces carbon footprint by lowering heating costs
- » Reduces safety hazard from snow and ice accumulation
- » Reduces hazardous rooftop conditions from frost, dew, or ice that are difficult to see on white membrane
- » Reduces potential condensation problems that can erode system performance
- » FAT Seam Technology and Pressure-Sensitive Flashing accessories enhance workmanship quality
- » 45-mil, 60-mil and 90-mil Sure-Seal membranes available for 15-, 25- and 30-year system warranties
- » Available in 10', 16½', 20', 25' and 30' widths. These widths of non-reinforced Sure-Seal membrane reduce splices between sheets
- » Using Sure-Tough reinforced membrane increases puncture resistance and tolerates heavy foot traffic
- » Carlisle's Fully Adhered Roof System offers design flexibility, addresses unconventional building configurations, and conforms to steeply sloped roof designs
- » Zero (no growth) rating for fungal growth

System Codes

- » UL Class A and B ratings are available over most deck types
- » FM uplift ratings up to 1-120 are available

For code specifics, refer to Carlisle's Code Approval Guide.

Quality Assurance

Carlisle Authorized Applicators have been trained to install fully adhered roofing systems.

Inspection

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

Warranty

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

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

- » A 10-, 15-, 20-, 25- or 30-year (75-mil or 90-mil required) Golden Seal™ Total System Warranty may be requested when all materials used for the roofing installation are manufactured or marketed by Carlisle. A maximum peak gust wind speed coverage of 55 miles per hour is standard. Additional coverage up to 30 years and 120 mph is available.
- » A 1" hail warranty is available with 60-mil EPDM and a 2" hail warranty is available with 75-mil or 90-mil EPDM
- » A 40-year non-prorated ELITE membrane material warranty is available with 90-mil black EPDM
- » Warranty for systems incorporating Carlisle's Sure-Tough membrane include coverage for damage caused by accidental punctures

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

