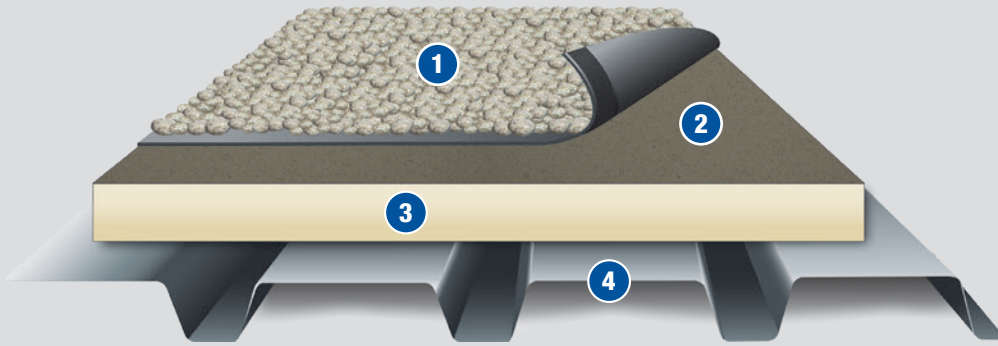


Sure-Seal® EPDM

Ballasted Roofing Systems



- 1** Approved Ballast
- 2** Sure-Seal EPDM Membrane with Factory-Applied Tape™
- 3** Acceptable Insulation
- 4** Approved Roof Deck

EPDM Membranes for Ballasted Roofing Systems are available in the following:

Color	Black
Thicknesses (mils)	46, 60, 75, and 90
Standard Widths	10'–50'
Standard Lengths	100'–200'

Sure-Seal EPDM Membrane

- » Tough - 45-mil non-reinforced EPDM
- » Tougher - 60-mil non-reinforced EPDM
- » Toughest - 90-mil non-reinforced EPDM

System Features & Benefits:

- » Over 50 years of proven performance
- » Industry leading UV resistance of 41,580 kJ/m² for black EPDM, plus the added UV protection from the ballast
- » Energy-efficient in all climates
- » Low lifecycle costs and excellent hail resistance
- » Lowest global warming potential, acid rain and smog impact according to EPA's TRACI model
- » Aesthetically pleasing and ideal for concrete decks
- » Described as "the original sustainable roof"

Existing or New Deck Type	New Construction						Re-roofing		
	Steel	Plywood or Wood Planks	Lt. Wt. Insulating Concrete Over Steel	Structural Concrete	OSB	Cementitious Wood Fiber and Gypsum	Smooth Surface BUR	Gravel Surfaced BUR	Existing Single-Ply
Insulation Required	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recommended Insulations	Carlisle Polyiso, Carlisle HP Recovery Board or Carlisle Extruded Polystyrene								
Insulation Attached By	Loose-laid								
Membrane Attached By	Loose-laid								
Ballast Options	Rounded Water-worn Gravel, Crushed Stone Over HP Mat, Carlisle Interlocking Rubber Pavers or Concrete Pavers								

FOR TEAR-OFF OPTIONS REFER TO NEW CONSTRUCTION ABOVE.

For current code approvals and warranties, visit Carlisle's web site or contact a design analyst. Class A Ratings available. Warranties provided for winds up to 80 mph.

Sure-Seal EPDM

Ballasted Roofing Systems



An Ideal Re-Roofing Solution

Convenience: No fumes or odors to disrupt building occupants

Value: Economical due to the ability to reuse dry insulation and re-purpose ballast rock

Performance: Sustainable system designed to resist high winds and offers superior protection against hail

Installation

Carlisle's Design "B" or Ballasted Roofing System utilizes 45-, 60-, or 90-mil thick Sure-Seal (black) non-reinforced or 60- or 75-mil Sure-Tough reinforced EPDM membranes.

The membrane and an acceptable insulation are loose-laid over the roof deck. Adjoining membrane sheets are spliced together using SecurTAPE™ or FAT™ and Primer.

Membrane and insulation are held in place with a minimum of 10 lbs. of ballast per square foot.

The above information represents a basic "B" system installation. Refer to Carlisle's published "B" specifications and details for more complete information.

Membrane and System Strengths

- » Excellent fire and hail protection for insulation and deck
- » Enhances building tranquility by reducing rainfall noise transmission and by creating a visually pleasing natural appearance that doesn't show dirt accumulation
- » Dimensionally stable in both hot and cold climates
- » Recyclable
- » FAT Seam Technology and Pressure-Sensitive Flashing accessories enhance workmanship quality
- » No fasteners required, eliminating the 3–8% thermal loss of fasteners
- » Ideal for concrete decks and ChannelDry Vented EPS Insulation
- » Large EPDM panels minimize field splices and installation time

- » Seam Tape and Low-VOC EPDM Primer can be used for low-VOC requirements
- » Architectural paver options available
- » Stormwater retention options available to slow the release of the water
- » Zero (no growth) rating for fungal growth
- » Recognized by ENERGY STAR as an energy saving option under "other types of roofing than can save energy"

System Codes

Carlisle's Ballasted Roofing System attains UL Class A ratings.

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

Quality Assurance

Carlisle Authorized Applicators have been trained to install Ballasted Roofing Systems

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.

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 Golden Seal Total System Warranty when all materials used for the roofing installation are manufactured or marketed by Carlisle.
- » A 40-year ELITE (non-prorated) material warranty is available with 90-mil EPDM
- » A 1", 2", or 3" hail resistance warranty is available based on membrane thicknesses of 45-, 60-, or 90-mil

A maximum peak gust wind speed coverage of 55 miles per hour is standard.

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

