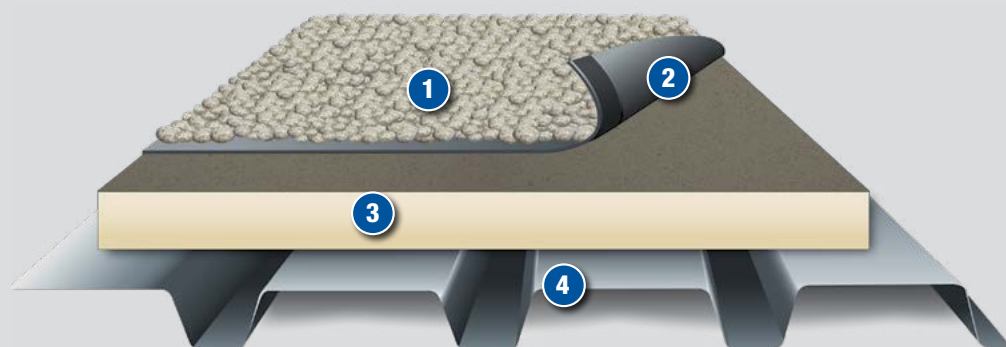


Sure-Seal® EPDM

Ballasted Systems

Warranty Submittal Sheet



Typical Applications

- 1 Approved ballast
- 2 Sure-Seal EPDM membrane with Factory-Applied Tape™ (FAT™)
- 3 Carlisle Approved insulation
- 4 Approved roof deck

Sure-Seal 25 and 30-year Total System Warranties*

1. **Approved Ballast:**
 - 1.5" nom. rounded water-worn gravel (ASTM C136 or D448)
 - Crushed stone with HP Protective Mat
 - Minimum 18-psf pavers
 - 2' x 2' x 2" pavers (maximum 80 lbs per unit)
2. **Membrane:**
 - 45-mil Sure-Seal EPDM (25-year max.)
 - 60-mil Sure-Seal EPDM
 - 90-mil Sure-Seal EPDM
3. **Carlisle Approved Insulation** (loose-laid):
 - InsulBase® Polyisocyanurate
 - SecurShield® Polyisocyanurate
 - Insulfoam EPS
 - HP Recovery Board (with acceptable insulation)
 - XPS
4. **Vapor Barrier** (optional for new or tear-off only):
 - VapAir Seal™ 725TR
 - VapAir Seal MD
 - SureMB 90/120TG Base
 - SureMB 90 Base Ply
 - Polyethylene (by others)
 - Other
5. **Thermal Barrier** (optional for new or tear-off only, not for use directly over concrete decks):
 - DensDeck®/DensDeck Prime
 - SECUROCK® Gypsum Fiber
 - Other
6. **Deck:**
 - 22-gauge or heavier steel
 - Structural concrete
 - Wood plank
 - Gypsum
 - Minimum ½" plywood
 - Lightweight insulating concrete
 - Cementitious wood fiber
7. **Metal Edging:**
 - Shop-fabricated metal
 - Carlisle SecurEdge™
 - Metal by others
8. **Applicable Details:**
 - U-1A.1, U-1B.1, U-1C, U-1F, U-2A.1, U-2B.1, U-2C, B-3A, U-3B, C, U-5A, B, C, D, U-6A, B, C, D, E, U-8A, U-8A.1, U-8B.1, U-8C.1, U-8D.1, U-9A, B, E, F, G, U-12A, B, U-13A, B, C, D, E, F, G, U-15A, B, C, U-15D.1, U-15G.1, U-16A.1, U-16B.1, U-16C.1, U-18A, U-20A, B, U-22, U-24, U-30
9. **Construction Type:**
 - New Construction
 - Complete Tear-off
10. **Slope:**
 - 2" per foot maximum

NOTE: No coverboards are to be used in a Ballasted System

*Buildings up to 100' tall with 55-mph wind speed coverage. Projects requiring warranty wind speeds greater than 55-mph should be reviewed by a Carlisle representative. All products must be supplied by Carlisle to be included in the warranty coverage. All roof systems can only be accepted upon inspection by a Carlisle SynTec Field Service Representative. Carlisle reserves the right to change or enhance any of the above components due to specific or unique project conditions. The intent of this document is to verify the proposed roof assembly meets the requested warranty. Carlisle is not responsible for local and state building code requirements, and any discrepancy should be clarified by the design professional of record. Refer to Carlisle's most currently published specifications and details for additional information.

**Includes all iterations of each detail. For example; U-1 encompasses U-1A, U-1B, U-1C, U-1D, and U-1F.