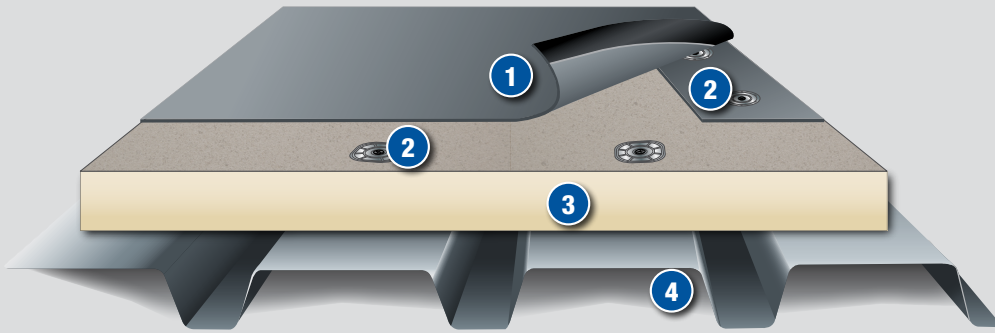


Sure-ToughTM EPDM

Mechanically Fastened Systems

Warranty Submittal Sheet



Typical Applications

- 1 Sure-Tough Reinforced EPDM membrane with Factory-Applied TapeTM (FATTM)
- 2 Carlisle fasteners and plates or bar
- 3 Carlisle Approved insulation
- 4 Approved roof deck

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

1. **Membrane** (fastened at 12" on center with maximum 10'-wide field sheets)¹:
75-mil Sure-Tough EPDM
2. **Membrane Fasteners:**
HP Fasteners (steel/wood)
CD-10 Fasteners (concrete)
HP Purlin Fasteners (metal retrofit only)
HP-Xtra Fasteners (steel/wood)
HD 14-10 Fasteners (concrete)
HP-X FastenersTM (with polymer batten bar or metal fastening bar only)
3. **Membrane Seam Plates:**
Polymer Seam Plates
Polymer Batten Bar
2-3/8" HP-Xtra Polymer Seam Plates
Metal Fastening Bar
2" Seam Fastening Plates (wood decks)
4. **Carlisle Insulation Fasteners** (with insulation plates):
HP Fasteners (steel/wood)
InsulFastTM Fasteners (steel/wood)
ASAP Fasteners (steel/wood)
HP-X Fasteners (steel/wood)
CD-10 Fasteners (concrete)
HD 14-10 Fasteners (concrete)
5. **Cover Board** (optional):
SecurShield[®] HD
SecurShield HD Plus
SecurShield HD Composite
HP Recovery Board (with acceptable insulation)
DensDeck[®]
SECUROCK[®]
6. **Carlisle Approved Insulation:**
InsulBase[®] Polyisocyanurate (25psi)
SecurShield Polyisocyanurate (25psi)
Insulfoam EPS (with use of cover board) (must be min. 1lb density)
Insulfoam HD Composite
Insulfoam SP (min. 1lb density)
XPS (with use of cover board)
7. **Vapor Barrier** (optional for new or tear-off only):
VapAir SealTM 725TR
VapAir Seal MD
Polyethylene (by others)
Other
8. **Thermal Barrier** (optional for new or tear-off only, not for use directly over concrete decks):
DensDeck Prime/DensDeck
SECUROCK Gypsum Fiber
Other
9. **Deck:**
22-gauge or heavier steel
Structural concrete
Wood plank
Minimum 1/2" plywood
10. **Metal Edging:**
Shop-fabricated metal
Carlisle SecurEdgeTM
Metal by others
11. **Applicable Details:**
MF-1A, MF-2.1, MF-2.2, MF-2A, MF-2B, MF-2C, MF-2D, MF-2E, MF-6, MF-8A, MF-8B, MF-8C, MF-8D, MF-22, MF-27B, MF-27C, U-1A.1, U-1C, U-1D, U-1E, U-1F, U-2A.1, U-2C, U-2D, U-3A, U-3B, U-3C, U-5A, U-5B, U-5D, U-6A, U-6B, U-6C, U-6D, U-8A.1, U-8B, U-8C, U-8D, U-9A, U-9B, U-9E, U-9F, U-9G, U-12A, U-12B, U-12C, U-13A, U-13B, U-13C, U-13D, U-13E, U-13G, U-15A, U-15C, U-15D, U-15D.1, U-15E, U-15F, U-15G, U-15H, U-16A, U-16B, U-16C, U-18A, U-20A, U-20B, U-20C, U-22, U-24, U-30
12. **Construction Type:**
New Construction
Complete Tear-off
13. **Slope:**
18" per foot maximum.

Notes:
 1. Refer to Carlisle's specifications and details for required perimeter enhancements. For buildings 61'-100' tall, enhance membrane fastening to 6" on center.
 *Buildings up to 60' 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.

Insulation Fastening Rates 25 and 30-year Warranty

Insulation (top layer)	4' x 8' board
1.5" to 4.0" Carlisle InsulBase Polyisocyanurate insulation or acceptable cover board	6

NOTE: Add an extra perimeter sheet for 25/30-year warranty