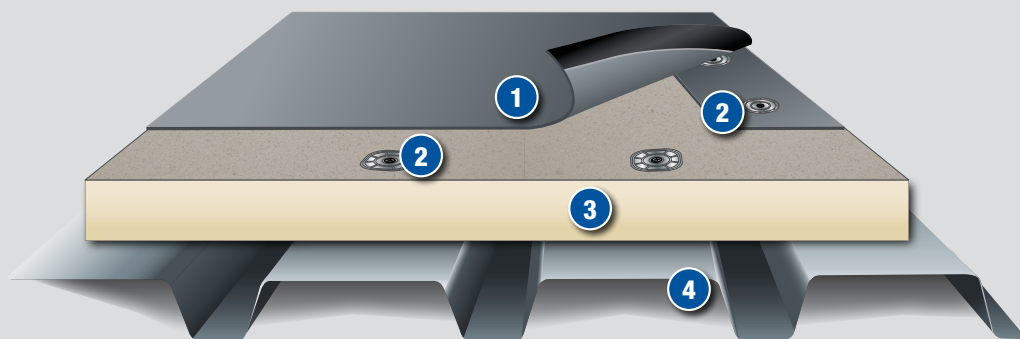


Sure-Tough™ EPDM

Mechanically Fastened Systems

Warranty Submittal Sheet



Typical Applications

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

Sure-Tough 5-, 10-, 15-, and 20-year Total System Warranties*

- | | | |
|---|--|---|
| 1. Membrane (fastened at 12" on center with maximum 10'-wide field sheets) ^{1,2:}
45-mil Sure-Tough EPDM (15-year max.)
60-mil Sure-Tough EPDM
75-mil Sure-Tough EPDM | HD 14-10 Fasteners (concrete)
Lite-Deck Fasteners (gypsum/cementitious wood fiber)
GypTec Fasteners (gypsum/cementitious wood fiber) | 8. Thermal Barrier (optional for new or tear-off only, not for use directly over concrete decks):
DensDeck Prime/DensDeck
SECUROCK Gypsum Fiber
Other |
| 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 Fasteners™ (with polymer batten bar or metal fastening bar only)
GypTec® Fasteners (gypsum/cementitious wood fiber) | 5. Cover Board (optional):
SecurShield® HD
SecurShield HD Plus
SecurShield HD Composite
DensDeck® (15-year max. on re-cover)
SECUROCK® (15-year max. on re-cover)
R-Tech™ Fanfold Recovery Board (re-cover or over acceptable insulation)
HP Recovery Board (with acceptable insulation, 15-year max. on re-cover) | 9. Deck:
22-gauge or heavier steel
Structural concrete
Wood plank
Minimum 1½" plywood
Gypsum
Cementitious wood fiber |
| 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)
GypTec Plates (gypsum/cementitious wood fiber) | 6. Carlisle Approved Insulation:
InsulBase® Polyisocyanurate
SecurShield Polyisocyanurate
Insulfoam EPS (with use of cover board) (must be min. 1lb density)
Insulfoam HD Composite
Insulfoam SP (must be min. 1lb density)
XPS (with use of cover board) | 10. Metal Edging:
Shop-fabricated metal
Carlisle SecurEdge™
Metal by others |
| 4. Carlisle Insulation Fasteners (with insulation plates):
HP Fasteners (steel/wood)
InsulFast™ Fasteners (steel/wood)
ASAP Fasteners (steel/wood)
HP-X Fasteners (steel/wood)
CD-10 Fasteners (concrete) | 7. Vapor Barrier (optional for new or tear-off only):
VapAir Seal™ 725TR
VapAir Seal MD
Polyethylene (by others)
Other | 11. Applicable Details:
MF-1A, MF-2, MF-6, MF-8, MF-22, MF-27, U-1, U-2, U-3, U-5, U-6, U-8, U-9, U-12, U-13, U-15, U-16, U-18, U-20, U-22, U-24, and U-30.** |
| | | 12. Construction Type:
New Construction
Complete Tear-off
Re-cover
Remove and replace wet or damaged insulation prior to installation. |
| | | 13. Slope:
18" per foot maximum. |

Notes:

1. Over gypsum or cementitious wood fiber decks, maximum 9" on center fastener spacing is required for 10' sheets.

2. 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.

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

Sure-Tough™ EPDM

Mechanically Fastened Systems

Insulation Fastening Rates 5-, 10-, and 15-year Warranty		Insulation Fastening Rates 20-year Warranty	
Insulation (top layer)	4' x 8' board	Insulation (top layer)	4' x 8' board
Acceptable coverboard and/or insulation	4 ¹	Acceptable coverboard and/or insulation	6 ¹

¹Recover projects require 8 fasteners and insulation plates per 4' x 8' board.