

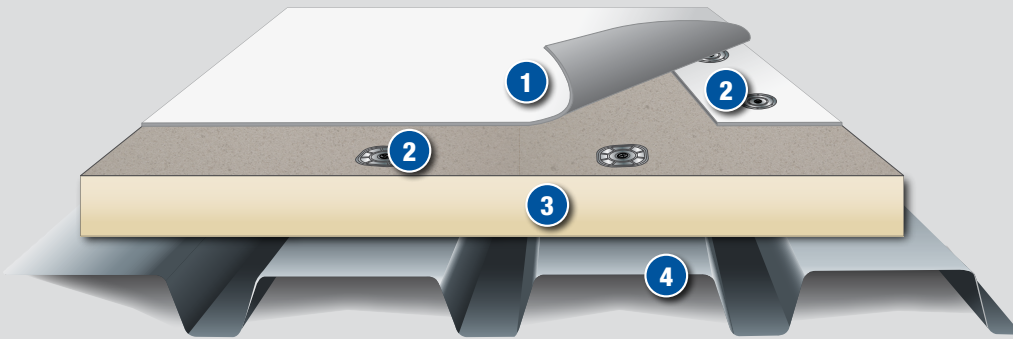
Sure-Flex™ PVC

Mechanically Fastened Roofing Systems

Warranty Submittal Sheet

Sure-Flex KEE HP

Mechanically Fastened Roofing Systems



Typical Applications

- 1 Sure-Flex PVC Membrane
- 2 Carlisle fasteners and plates
- 3 Carlisle Approved insulation
- 4 Approved roof deck

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

1. **Membrane** (fastened at 12" on center with maximum 10'-wide field sheets)^{1,2}:
 - 50-mil Sure-Flex PVC (15-year max.)
 - 60-mil Sure-Flex PVC
 - 80-mil Sure-Flex PVC
 - 50-mil Sure-Flex KEE HP
 - 60-mil Sure-Flex KEE HP
 - 80-mil Sure-Flex KEE HP
2. **Membrane Fasteners:**
 - CD-10 Fasteners (concrete)
 - HP Purlin Fasteners (metal retrofit only)
 - HP-Xtra Fasteners (steel/wood)
 - HD 14-10 Fasteners (concrete)
 - HP-X Fasteners™ (steel/wood)
 - GypTec® Fasteners (gypsum/cementitious wood fiber)
3. **Membrane Seam Plates:**
 - Piranha Plates
 - Piranha Xtra Plates (HP-Xtra fasteners only)
 - Oval Barbed Plates
 - GypTec Plates (gypsum/cementitious wood fiber)
 - RhinoBond®/isoweld® Plates
4. **Carlisle Insulation Fasteners** (with insulation plates):
 - HP Fasteners (steel/wood)
 - InsulFast™ Fasteners (steel/wood)
 - ASAP Fasteners (steel/wood)
 - HP-X Fasteners (steel/wood)
5. **Cover Board** (optional):
 - SecurShield™ HD
 - SecurShield HD Plus
 - SecurShield HD Composite
 - DensDeck® (15-year max. on re-cover)
 - SECURROCK® (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)
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)
7. **Vapor Barrier** (optional for new or tear-off only):
 - VapAir Seal™ 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
 - SECURROCK Gypsum Fiber
 - Other
9. **Deck:**
 - 22-gauge or heavier steel
 - Structural concrete
 - Wood plank
 - Minimum 1⁵/₃₂" plywood
 - Gypsum
 - Cementitious wood fiber
10. **Metal Edging:**
 - Shop-fabricated metal
 - Carlisle SecurEdge™
 - Metal by others
11. **Applicable Details:**
 - MF-1A, MF-2, 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, and U-20.**
12. **Construction Type:**
 - New Construction
 - Complete Tear-off
 - Re-cover
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.

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Insulation Fastening Rates 5-, 10-, 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.