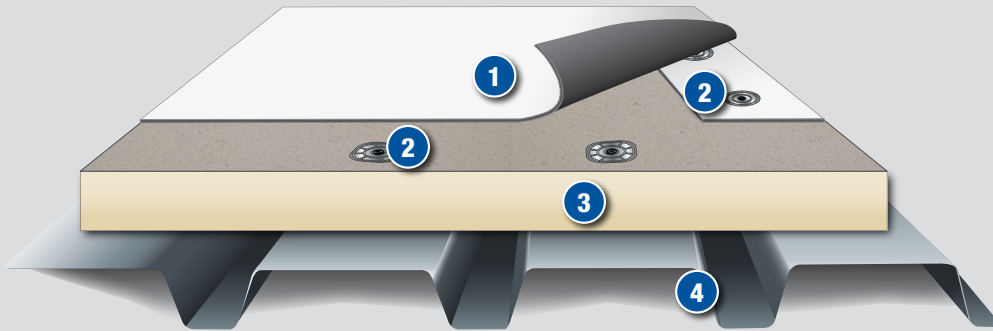


Sure-Weld® TPO

Mechanically Fastened Systems

Warranty Submittal Sheet



Typical Applications

- 1 Sure-Weld TPO Membrane
- 2 Carlisle fasteners and plates
- 3 Carlisle Approved insulation
- 4 Approved roof deck

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

1. **Membrane** (fastened at 12" on center with maximum 10'-wide field sheets)¹:
80-mil Sure-Weld TPO
80-mil Spectro-Weld TPO
80-mil Sure-Weld HS
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)
3. **Membrane Seam Plates:**
Piranha Plates
Piranha Xtra Plates (HP-Xtra fasteners only)
RhinoBond®/isoweld® Plates
4. **Carlisle Approved 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)
HD 14-10 Fasteners (concrete)
5. **Cover Board** (optional):
SecurShield® HD
SecurShield HD Plus
DensDeck®
SECUROCK®
HP Recovery Board (with acceptable insulation)
6. **Carlisle Approved Insulation:**
InsulBase® Polyisocyanurate (25 psi)
SecurShield Polyisocyanurate (25 psi)
Insulfoam EPS (Min. 1.25 lb. density)
Insulfoam HD Composite
Insulfoam SP
XPS
7. **Vapor Barrier** (optional):
VapAir Seal™ 725TR
VapAir Seal MD
Polyethylene (by others)
Other
8. **Thermal Barrier** (optional, 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
¾" plywood
10. **Metal Edging:**
Shop-fabricated metal
Carlisle SecurEdge™
Metal by others
11. **Applicable Details:**
MF-1A, MF-2, MF-2A, MF-2B, MF-22, MF-27C, U-1B, U-1C, U-1D, U-1E, U-1F, U-2, U-3A, U-3B, U-5A, U-5B, U-5C, U-5D, U-6A, U-6B, U-6C, U-8A, U-8C, U-8D, U-8E, U-8F, U-9A, U-9B, U-9E, U-9F, U-9G, U-12A, U-12B, U-12B.1, U-12C, U-12G, U-12H, U-13A, U-13B, U-13C, U-13D, U-13E, U-13F, U-15A, U-15C, U-15D, U-15F, U-15H, U-16A, U-16B, U-18A, U-18C, U-20A, U-20B, U-24
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.