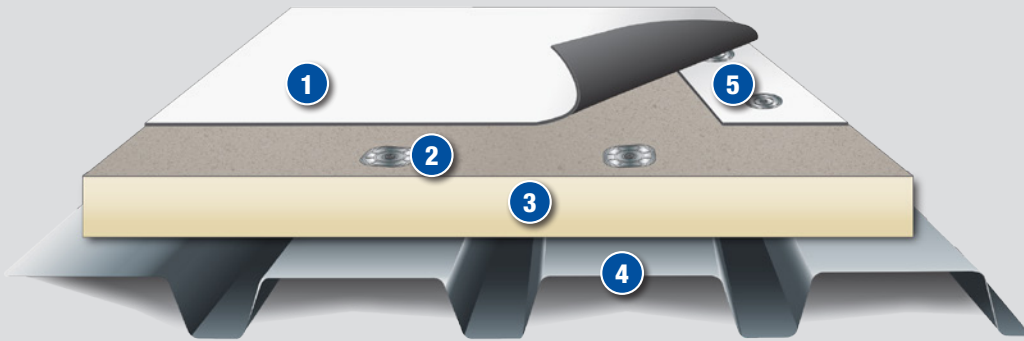


Sure-Weld[®] TPO

Mechanically Fastened Roofing Systems



- 1 Sure-Weld TPO Reinforced Membrane
- 2 Carlisle Insulation Fasteners and Plates
- 3 Acceptable Insulation
- 4 Approved Roof Deck
- 5 Membrane Fasteners and Plates

Sure-Weld Membrane for Mechanically Fastened Systems is available in the following:

Colors	Standard Colors: White, Gray, and Tan Special Colors: Medium Bronze, Rock Brown, Slate Gray, Patina Green, and Terra Cotta
Thicknesses (mils)	45, 60, and 80
Standard Widths	4', 6', 8', 10', and 12'
Standard Lengths	100'

System Features & Benefits:

- » Heat-weldable membranes
- » High wind uplift performance
- » Resistance to hail and accidental punctures
- » Top ply membrane thickness adds improved long-term weatherability and durability
- » OctaGuard XT™ weathering package provides superior long-term performance

Existing or New Deck Type	New Construction						Re-roofing		
	Steel	Plywood or OSB	Lt. Wt. Concrete	Structural Concrete	Wood Planks	Gypsum & Fibrous Cement	Smooth-Surface BUR	Gravel-Surfaced BUR	Existing Single-Ply
Insulation Required	Yes	No	Refer to Specs**	No	Yes	Yes	No	Yes	Refer to Specs**
Recommended Insulations	Approved Carlisle insulation or cover board								
Insulation Attached By	Carlisle fasteners and plates								
Membrane Attached By	HP-X Fasteners/PIRANHA™ Plates; HP-XTRA Fasteners/PIRANHA XTRA Plate	HP-X Fasteners/PIRANHA Plates; HPXTRA Fasteners/PIRANHA XTRA Plate	Gyptec Fasteners/Plates	CD-10/PIRANHA Plates; HD 14-10 Fasteners/PIRANHA Plates	HP-X Fasteners/PIRANHA Plates	Gyptec Fasteners/Plates			

FOR TEAR-OFF OPTIONS REFER TO NEW CONSTRUCTION ABOVE.

For current code approvals and warranties, visit Carlisle's website or contact a design analyst.

** Refer to Carlisle's Sure-Weld Design Criteria Portion of the Current Specification.

Sure-Weld® TPO

Mechanically Fastened Roofing Systems

Sure-Weld TPO Membrane

Carlisle's Sure-Weld TPO is a premium, heat-weldable, single-ply thermoplastic polyolefin membrane, engineered to provide outstanding long-term performance in new roof construction and re-roofing applications. All Sure-Weld TPO membranes utilize the patented OctaGuard XT weathering package technology, which is able to withstand extreme durability testing intended to simulate exposure to several climates.

Sure-Weld TPO Accessories

Carlisle also offers over a dozen prefabricated, in-stock, standard-order accessories, and countless custom-order accessories. All carry a CFA (Certified Fabricated Accessory) stamp of approval, so you know they are manufactured to the highest standards. Every Carlisle CFA-approved accessory saves time and money during installation.

Installation

Carlisle's Sure-Weld TPO Mechanically Fastened Roofing System utilizes White, Gray, Tan, Medium Bronze, Rock Brown, Slate Gray, Patina Green, or Terra Cotta membranes in standard reinforced 45- or 60-mil thicknesses or 80-mil-thick reinforced Sure-Weld EXTRA membranes.

Insulation is mechanically fastened to an acceptable roof deck. Sure-Weld membrane sheets are mechanically fastened to the deck with appropriate Carlisle fasteners and plates. Adjoining sheets are overlapped and joined together with a minimum 1½"-wide hot-air weld.

The above information represents a typical Carlisle Sure-Weld TPO Mechanically Fastened Roofing System. Refer to Carlisle's published specifications and details for more complete information.

Optional APEEL Protective Film

- » APEEL Protective Film guards the TPO membrane's surface from scuffs and dirt accumulation during installation, improving the roof system's appearance and long-term performance
- » APEEL Protective Film can be left in place for up to 90 days without degrading due to its excellent heat-and UV-resistance



System Codes

- » UL Class A, B, and Universal Slope ratings are available over any deck type
- » FM Uplift values of up to 135 psf can be achieved

For code specifics, refer to Carlisle's Sure-Weld Code Approval Guide.

Inspection

Upon installation completion, and prior to the issuance of a membrane system warranty, an inspection will be conducted by a Carlisle Field Service Representative.

Warranty

Consult your Authorized Applicator or Carlisle Manufacturer's Representative/Distributor for associated warranty charges.

This system, properly installed and inspected on a commercial project, may receive:

- » A 10-, 15-, or 20-year Total System Warranty when all materials used for the roofing installation are manufactured or marketed by Carlisle
- » A 25- or 30-year Golden Seal Warranty with 80-mil Sure-Weld EXTRA membranes
- » 55 mph maximum peak gust wind speed coverage is standard; higher wind speed warranties available upon review by Carlisle
- » A 10-year Reflectivity Warranty with white membranes
- » Available Puncture Warranty with Sure-Weld 80-mil EXTRA membranes

For more specifics or for International warranty programs, contact Carlisle.

