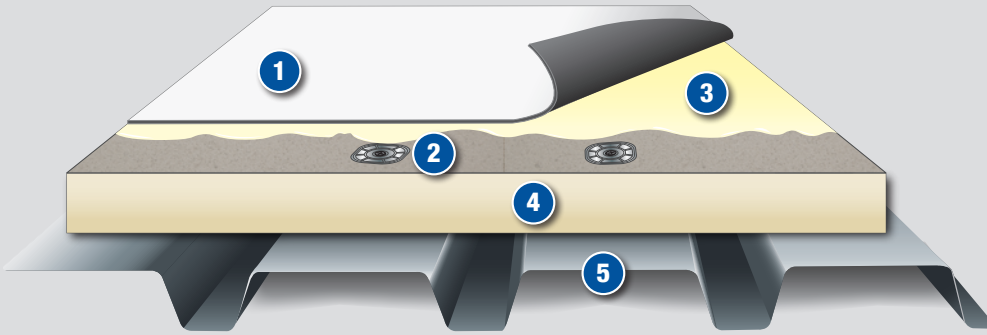


# Sure-Weld<sup>®</sup> TPO

## Fully Adhered Roofing Systems



- 1 Sure-Weld TPO Reinforced Membrane
- 2 Carlisle Insulation Fasteners and Plates
- 3 TPO Bonding Adhesive or CAV-GRIP III Low-VOC Adhesive/Primer
- 4 Acceptable Insulation
- 5 Approved Roof Deck

### Sure-Weld Membrane for Fully Adhered Systems is available in the following:

Color	White, Gray, and Tan
Thicknesses	45-, 60-, and 80-mil
Standard Widths	6', 8', 10', 12', and 16'
Standard Lengths	100'

### System Features & Benefits:

- » Heat-weldable membranes
- » High wind uplift performance
- » High hail and puncture resistance
- » Top-ply membrane thickness adds improved long-term weatherability and durability

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	Yes
Recommended Insulations	Carlisle Polyiso, Carlisle HP Recovery Board, or Carlisle Polystyrene with an approved cover board						← Refer to New Construction		
Insulation Attached By	Flexible FAST™ Adhesive (non-penetrating), Insulfast, or Carlisle HP Fasteners						← Refer to New Construction		
Membrane Attached By	TPO Bonding Adhesive or CAV-GRIP III Low-VOC Adhesive/Primer						← Refer to New Construction		

FOR TEAR-OFF OPTIONS REFER TO NEW CONSTRUCTION ABOVE.

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

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

# Sure-Weld® TPO

## Fully Adhered 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 stimulate 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 Fully Adhered Roofing System utilizes white, gray, or tan membranes in standard reinforced 45- or 60-mil thicknesses or 80-mil-thick reinforced Sure-Weld EXTRA membranes.

Insulation, where required, is secured to an acceptable roof deck. Sure-Weld TPO membrane sheets are fully adhered to the insulation or substrate with Carlisle's Sure-Weld TPO Bonding Adhesive. Adjoining sheets are hot-air welded.

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

### Membrane and System Strengths

- » Sure-Weld TPO membrane is available in white, gray, and tan, in 6', 8', 10', 12' and 16' widths. Sure-Weld HS Special Color TPO membranes are available in limited sizes. Refer to Carlisle's Sure-Weld HS TPO Special Color Program Sell Sheet for details.
- » Provides superior puncture and hail resistance
- » White and tan Sure-Weld TPO reflectivity values exceed industry standards
- » Puncture warranty available with 60- and 80-mil Sure-Weld EXTRA membrane
- » Membranes are eco-friendly as they do not contain chlorine or plasticizers

### System Codes

- » UL Class A, B, and Universal Slope ratings are available over any deck type
- » FM uplift values of up to 150 psf can be achieved

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

### Quality Assurance

Carlisle Authorized Roofing Contractors have received training to install Carlisle's Sure-Weld TPO Roofing Systems.

### 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 roofing contractor or Carlisle Manufacturer's Representative/Distributor for associated warranty charges.

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

- » A 10-year Total System or 15-year Golden Seal Warranty when all materials used for the roofing installation are manufactured or marketed by Carlisle
- » A 10-year Reflectivity Warranty with white membrane
- » A 20-year Golden Seal Warranty with 60-mil Sure-Weld EXTRA membranes
- » A 25- or 30-year Golden Seal Warranty with 80-mil Sure-Weld EXTRA membrane
- » Higher wind speed warranties (up to 120 mph peak gust wind speed) available upon review by Carlisle

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

