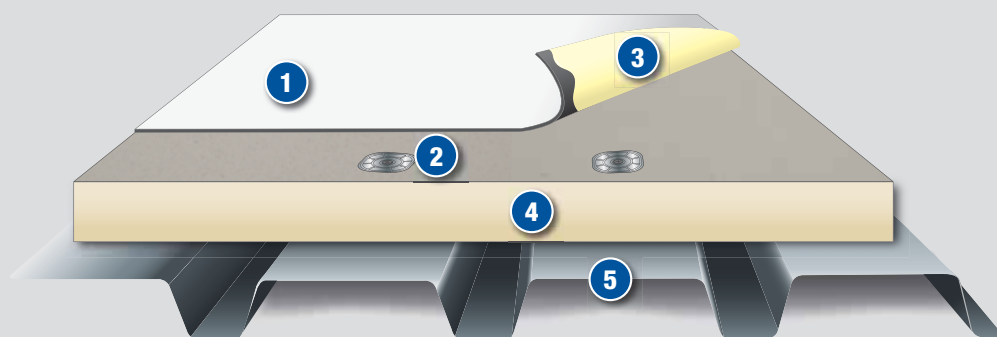


Sure-Weld[®] TPO

SAT[™] Reinforced Membrane



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

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

Color	White
Thicknesses (mils)	60- and 80-mil
Standard Widths	10'
Standard Lengths	50' and 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
- » Sure-Weld SAT TPO white membranes are ENERGY STAR[®]* qualified

	New Construction						Re-roofing		
Existing or New Deck Type	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	FAST [™] Adhesive (non-penetrating), Insulfast, or Carlisle HP Fasteners						← Refer to New Construction		
Membrane Attached By	TPO Bonding Adhesive						← 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

SAT Reinforced Membrane

Sure-Weld SAT TPO Membrane

Carlisle's Sure-Weld SAT 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 SAT 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 SAT TPO Fully Adhered Roofing System utilizes white membranes in standard reinforced 60- and 80-mil thicknesses.

Insulation, where required, is secured to an acceptable roof deck. Sure-Weld SAT 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 SAT TPO Fully Adhered Roofing System. Refer to Carlisle's published specifications and details for more complete information.

Membrane and System Strengths

- » Sure-Weld SAT TPO membrane is available in white 10' widths
- » Provides superior puncture and hail resistance
- » White Sure-Weld SAT TPO reflectivity values exceed industry standards and are ENERGY STAR* qualified
- » Puncture warranty available with 60- and 80-mil Sure-Weld SAT TPO membrane

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 SAT 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 (based on ENERGY STAR criteria) with white membrane
- » A 20-year Golden Seal Warranty with 60-mil Sure-Weld SAT membranes
- » A 25- or 30-year Golden Seal Warranty with 80-mil Sure-Weld SAT 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.



*ENERGY STAR recommends that using the Roof Savings Calculator (rsc.ornl.gov), which factors in both heating and cooling costs, to determine whether a cool roof will be an energy efficient choice for your geographic climate and building type.