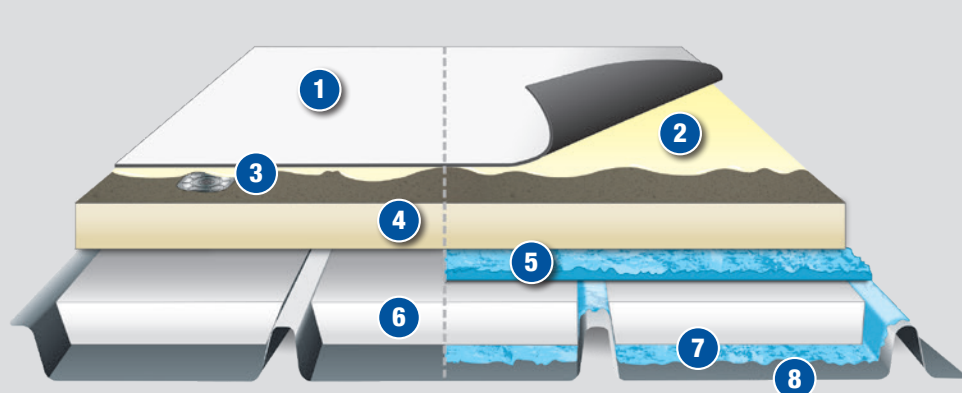


# Sure-Weld® TPO

## Fully Adhered Metal Retrofit



- 1 Sure-Weld TPO Reinforced Membrane
- 2 TPO Bonding Adhesive or CAV-GRIP® III Low-VOC Adhesive/Primer
- 3 Carlisle Insulation Fasteners and Plates
- 4 Approved Carlisle Insulation
- 5 Flexible FAST™ Adhesive
- 6 Approved Carlisle Flute Fill Insulation
- 7 Flexible FAST Adhesive
- 8 Existing Metal Roof

### Sure-Weld TPO Membrane for Metal Retrofit Systems is available in the following:

<b>Color</b>	White, Gray, and Tan Special Colors*: Medium Bronze, Patina Green, Rock Brown, Terra Cotta, and Slate Gray
<b>Thicknesses (mils)</b>	45, 60, and 80
<b>Standard Widths</b>	4', 6', 8', 10', 12', and 16'
<b>Standard Lengths</b>	100'

\*Special Colors available only in 60-mil and 5' and 10' sheets

### System Features & Benefits:

- » 60- and 80-mil membrane thicknesses
- » Adds additional insulating value
- » Heat-weldable seams
- » Roofing membrane is CRRC rated and can contribute to LEED® requirements\*
- » High wind uplift performance
- » Industry-leading OctaGuard XT™ Weathering Package provides improved weatherability, durability, and long-term rooftop performance

\*Standard colors only

### Fully Adhered System

	Mechanically Fastened Insulation	Fully Adhered Insulation
	Flutes of Existing Metal Roof are filled with an Acceptable Insulation	
<b>Flute Filler Attached By</b>	Insulation is loose-laid into flutes	Insulation is adhered with Flexible FAST Adhesive to flutes
<b>Insulation Attached By</b>	Approved Insulation is laid over the Flute Fill Insulation and is mechanically fastened into existing metal with InsulFast™ or HP-X Fasteners™	Approved Insulation is adhered to the Flute Fill with Flexible FAST adhesive
<b>Membrane Attached By</b>	TPO Bonding Adhesive or CAV-GRIP III Low-VOC Adhesive/Primer	

For more information, refer to the Sure-Weld specifications. UL Class A Ratings available.

For current Code Approvals and Warranties, visit Carlisle's website, or contact a design analyst.

# Sure-Weld TPO

## Fully Adhered Metal Retrofit

### 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

An acceptable insulation is used to fill the metal deck flutes. When the insulation is mechanically fastened the flute fill may be loose laid. When the insulation is adhered, Flexible FAST adhesive must be used. A subsequent layer of insulation or coverboard is mechanically secured over the fill insulation to the existing metal roof with Carlisle fasteners and plates or adhered with Flexible Fast Adhesive.

### Metal Retrofit Induction Welded Roofing System

Sure-Weld TPO reinforced membrane is fully adhered to the substrate with TPO Bonding Adhesive or CAV-GRIP III Low-VOC Adhesive/Primer. Adjoining membrane sheets are hot air welded together using an approved auto hot air welder.

### Membrane and System Strengths

- » Economically installed over existing metal roofs
- » Installs easily over most aged metal roofs
- » Heat-weldable seams provide a complete and monolithic membrane assembly
- » Sure-Weld TPO reinforced membranes are durable and highly puncture resistant

### System Codes

- » UL Class A, B, and Unlimited Slope ratings are available

For specific code approvals, refer to Carlisle's 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, Carlisle Manufacturer's Representative or Distributor for associated warranty charges.

Carlisle's induction welded metal retrofit systems are backed by our industry leading Total System Warranty. Five to twenty year total system warranties are available.

