

Sure-Weld[®] Extra TPO
Roofing Systems



Innovation • Exclusive Warranties • Long-term Performance

Sure-Weld Extra TPO is Carlisle's thickest, most durable, and longest-lasting TPO membrane. Available in standard and FleeceBACK® versions, Sure-Weld Extra TPO provides excellent long-term durability and exceptional resistance to hail and punctures. Sure-Weld Extra TPO also offers superb UV resistance due to the increased levels of weathering package that thicker membranes contain.

Carlisle's Sure-Weld Extra TPO products include:

- » 80-mil Sure-Weld TPO
- » 80-mil Spectro-Weld™ TPO
- » 135-mil FleeceBACK TPO
- » 155-mil FleeceBACK TPO AFX

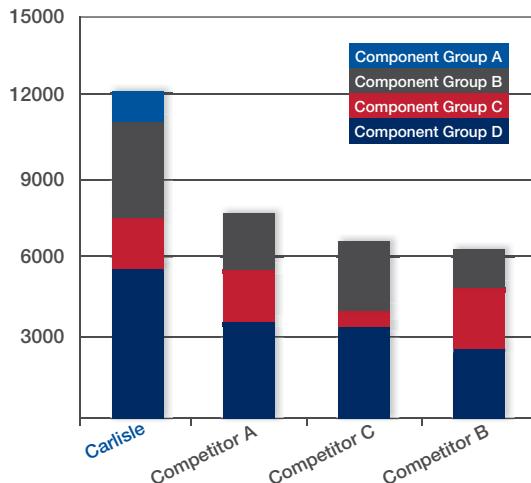
OCTAGUARD XT™ WEATHERING PACKAGE

Carlisle's OctaGuard XT weathering package is a blend of eight performance-enhancing ingredients designed to protect Sure-Weld Extra TPO membranes against damaging heat and UV exposure. Independent test results have demonstrated that Carlisle's Sure-Weld Extra TPO with the OctaGuard XT weathering package provides superior long-term protection against the elements.

- » OctaGuard XT weathering package enables Sure-Weld TPO to withstand the most extreme heat and UV conditions.
- » Combined with Carlisle's time-tested TPO formulation, the OctaGuard XT weathering package provides a longer-lasting and more energy-efficient TPO roofing system



WEATHERING PACKAGE CHEMICAL ANALYSIS



EXPERIENCE

Carlisle SynTec Systems has been a pioneer in the single-ply roofing industry since the 1960s, and is recognized today as the provider of the most dependable, longest-lasting single-ply roof systems on the market. Over 15 billion square feet of Carlisle's roofing membrane – including 5 billion square feet of Sure-Weld TPO – have been installed on buildings all over the world. Carlisle's TPO track record far surpasses that of any other single-ply manufacturer: For the past 20 years, hospitals, schools, warehouses, and major retailers have protected their buildings with Carlisle's industry-leading Sure-Weld TPO membrane.

DEPENDABILITY

Each detail of a Sure-Weld Extra TPO roofing system is meticulously engineered by Carlisle to ensure its long-term performance. That quality assurance is backed by Carlisle's exclusive 25- and 30-year warranties, which can be supplemented with additional puncture, hail, and reflectivity coverage. Every square inch of Sure-Weld Extra TPO is enhanced with the most advanced weathering package on the market: Carlisle's OctaGuard XT.

Because thicker TPO membranes contain higher levels of the OctaGuard XT weathering package, Carlisle's 80-mil Sure-Weld Extra TPO provides longer-lasting protection against the negative effects of UV degradation and heat exposure. The additional protection provided by an upgrade to Sure-Weld Extra TPO often adds as little as 8% to the system's total installed costs, while increasing the lifespan of the roof by as much as 33%.

All of these dependable attributes lead to unmatched warranties for Sure-Weld Extra TPO roof systems.

Certified Fabricated Accessories

To promote ease of installation, Carlisle offers more than a dozen prefabricated accessories, as well as custom-made accessories to meet any and all roofing needs. These Certified Fabricated Accessories (CFAs) carry Carlisle's CFA stamp of approval, so it is easy to determine that the accessories on a roof are manufactured to the highest quality standards. CFAs are perfect for any job because:

- » CFAs save time and money during installation.
- » CFAs provide improved waterproofing performance around penetrations.
- » CFAs can be custom-fabricated for any type of penetration.
- » CFAs provide a consistent, professional look across the entire roof.



INNOVATION

Carlisle is committed to providing contractors and building owners with the most innovative roofing products on the market through continuous research and development. Versatility, durability, and ease of installation are provided by Carlisle's growing line of cutting-edge TPO products, which include:

- » Certified Fabricated Accessories (CFAs)
- » Sure-Weld membranes containing the OctaGuard XT Weathering Package
- » Spectro-Weld TPO membranes – the most reflective single-ply membrane on the market
- » Sure-Weld TPO with APEEL™ Protective Film

ECO-FRIENDLY

Sure-Weld Extra TPO can help save energy in hot climates where buildings can benefit from long-term savings in cooling costs. White and tan Sure-Weld Extra TPO membranes are ENERGY STAR®*-qualified and Cool Roof Rating Council (CRRCC) certified. These “cool” reflective membranes can greatly diminish a building's energy consumption by reducing the need for air conditioning throughout the year. Sure-Weld Extra TPO's environmentally friendly characteristics and energy-efficient advantages make it one of the most sustainable roof systems on the market today.

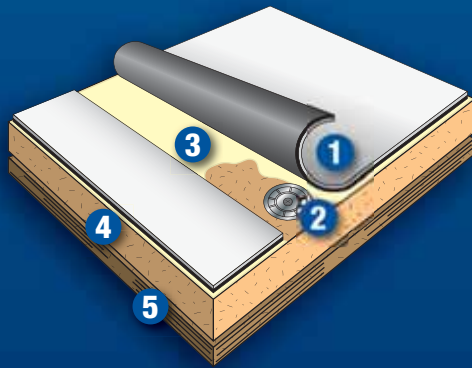
PV-READY

Sure-Weld Extra TPO is an excellent choice to support energy-producing rooftop photovoltaic (PV) systems. Because of the cost of a solar installation, it is common for building owners to wait several years after the purchase of a new roof before adding a PV system. Solar-ready Sure-Weld Extra TPO gives building owners a high-quality, durable roof that is ready for a future upgrade to PV. The additional protection provided by Sure-Weld Extra TPO membrane allows the roofing system to withstand abuse by the elements, including higher wind speeds, accidental punctures, water infiltration, and more. Installing Carlisle's Sure-Weld Extra TPO in conjunction with a 30-year Golden Seal™ Total Roofing System Warranty will provide exceptional protection under any PV investment.



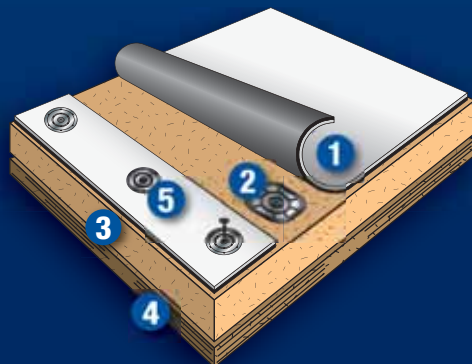
EXPERIENCE THE CARLISLE DIFFERENCE

FULLY ADHERED TPO ROOFING SYSTEM



1. Sure-Weld Extra TPO Membrane
2. Carlisle Insulation Fasteners and Plates
3. Approved TPO Bonding Adhesive
4. Acceptable Insulation
5. Approved Roof Deck

MECHANICALLY FASTENED TPO ROOFING SYSTEM



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



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