



CARLISLE SPECTRO-WELD TPO

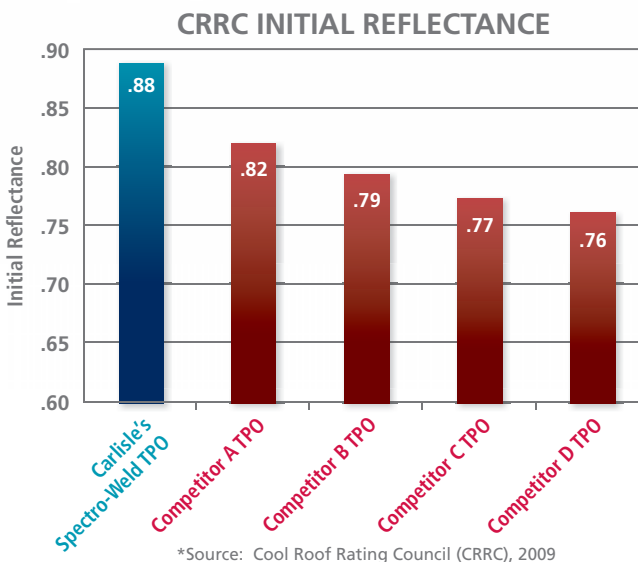
WHITER. BRIGHTER. COOLER.





## SUPERIOR REFLECTIVITY EQUALS INCREASED PERFORMANCE & SAVINGS

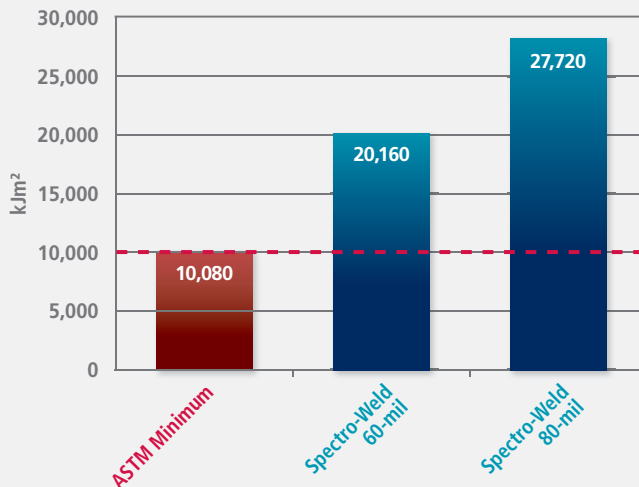
Building owners located in warm climates are increasingly turning to reflective roofing materials such as TPO and TPO FleeceBACK® membranes to help reduce their buildings' cooling costs. Carlisle's Spectro-Weld™ TPO features the highest initial Cool Roof Rating Council (CRR) reflectivity rating of any membrane on the market. This superior rating means building owners get a brighter, whiter roof, which offers a more significant reduction in air conditioning costs. The popularity of rooftop solar photovoltaic (PV) systems continues to grow. Highly reflective membranes such as Spectro-Weld TPO help to improve the energy output these systems create, which can lead to a quicker return on investment. Spectro-Weld is available in 60- and 80-mil thicknesses, as well as a 115-mil FleeceBACK version. All thicknesses are FM approved and UL classified.



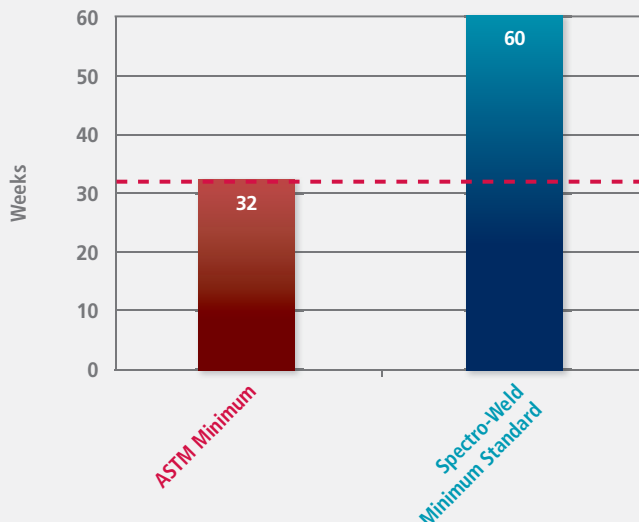
## FEATURES & BENEFITS OF SPECTRO-WELD

- Significantly improved reflectivity leads to reduction in cooling costs in warm climates
- Can contribute toward LEED® credits
- Highest initial CRRC reflectivity rating of any roofing membrane
- State-of-the-art OctaGuard XT™ Weathering Package technology
- Backed by an industry-leading reflectivity warranty
- Improves energy efficiency of certain PV systems

### XENON ARC WEATHEROMETER RATINGS



### ACCELERATED HEAT AGING AT 240°F



## EXTREME TESTING

Heat and UV exposure are two of the most detrimental factors affecting the useful life of roofing membranes today. ASTM standards identify the minimum levels of exposure to heat and UV that a TPO membrane must be able to withstand. At Carlisle, we believe your roofing system deserves a membrane that performs well above the minimum requirements specified in material standards. Based on ASTM test methods, Carlisle requires that all its TPO membranes exceed “Extreme Testing” requirements intended to simulate exposure to extreme climates. Only those products that meet these extreme qualifications are offered for sale because you deserve more than the bare minimum.

## OCTAGUARD XT WEATHERING PACKAGE

Reflectivity is a vital feature of any TPO roofing system, but it should not be the only consideration. TPO membranes must also provide long-term waterproofing protection. All of Carlisle’s Spectro-Weld and Sure-Weld® TPO membranes are outfitted with the high-performance OctaGuard XT Weathering Package, a unique combination of eight performance-enhancing ingredients, including heat and UV stabilizers.

These eight ingredients help protect Carlisle’s TPO membranes from damage caused by heat and UV. OctaGuard XT, as well as a state-of-the-art manufacturing process, helps create a smoother sheet that is more resistant to dirt pick-up and biological growth.



## CERTIFIED FABRICATED ACCESSORIES (CFA)

Carlisle offers many prefabricated, in-stock accessories as well as a limitless number of custom-order accessories. All Carlisle TPO accessories carry a CFA (Certified Fabricated Accessory) stamp of approval, so you know they are manufactured to the highest standards. Carlisle CFA-approved accessories save time and money during installation, while also providing increased waterproofing performance around rooftop penetrations.

## WARRANTIES

Carlisle backs its commitment to long-term performance and energy efficiency with an industry-leading Reflectivity Warranty on all of its white TPO membranes. Total system warranties of up to 30 years are available on Spectro-Weld TPO roofing systems, providing added assurance that your rooftop investment will remain watertight throughout its entire service life.

## SYSTEM OPTIONS

- 60- and 80-mil Spectro-Weld is fully adhered or mechanically attached over an approved substrate using TPO or Low-VOC TPO Bonding Adhesive
- 115-mil Spectro-Weld FleeceBACK is adhered using Carlisle's insulating FAST™ Adhesive and is an excellent re-roofing option with added puncture and wind uplift resistance

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SYNTEC SYSTEMS