

TRI-BUILT® GRANULATED TORCH COOL WHITE

APP-MODIFIED BITUMEN POLYESTER CAP SHEET WITH HIGHLY REFLECTIVE MINERAL SURFACE

PRODUCT USE: TRI-BUILT® Granulated Torch Cool White is designed for use as a cap for torch-applied modified bitumen roof systems or hybrid hot asphalt applied built up roof systems (with torch-applied cap) over various types of substrates for both new construction and reroofing installations. It is suitable for most low sloped roof decks and may be used for roof system flashings including wall treatments, base flashings and field flashings.

PRECAUTIONS: TRI-BUILT® modified bitumen roofing systems must be applied in accordance with installation procedures. TRI-BUILT® Granulated Torch Cool White is intended for torch application only and should not be exposed to adhesives or solvent-based materials. Rolls should be stored upright, off the ground and completely protected from the weather. Roof decks must be structurally sound, dry, smooth and meet or exceed minimum requirements of the deck manufacturer, local code and TRI-BUILT®.



PRODUCT COMPOSITION AND FEATURES: TRI-BUILT® Granulated Torch Cool White is manufactured using a high performance, stress-resistant polyester mat that is saturated and coated with APP-modified bitumen compound. The polyester mat provides excellent expansion and contraction characteristics. TRI-BUILT® Granulated Torch Cool White modified bitumen compound provides moisture resistance, durability and UV stability. The highly reflective granules support energy conservation, and reduce rooftop stress associated with elevated temperatures and expansion/contraction.

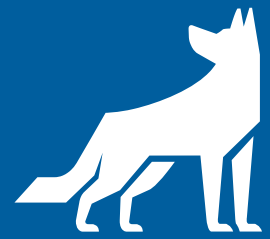
Roll Dimensions: 39³/₈" X 32' 10"
Nominal Coverage: One square
Approximate Weight: 106 lbs. per roll
Top Surface: Highly reflective CoolStar granules
Back Surface: Torchable polyethylene film

APPLICABLE STANDARDS: Meets ASTM D6222, Grade G, Type I. TRI-BUILT® Granulated Torch Cool White is approved by Underwriters Laboratories for use in various Class A, B and C roof assemblies, with aggregate and other types of optional surfacings, by ICC-ES (ESR-1388), Factory Mutual, Miami-Dade, Florida Building Code Statewide Approved and Texas Department of Insurance (RC-47). TRI-BUILT® Granulated Torch Cool White can be used to comply with the 2022 California Title 24 Part 6 Cool Roof Requirements, CRRC product ID 1420-0001.

MODIFIED BITUMEN COATING: Non-oxidized (flux) asphalt, blended with various thermoplastic atactic polypropylene polymers and co-polymers.

SUPPORT MAT: High performance, stress-resistant polyester mat.





PHYSICAL PROPERTIES

Test Description	Test Method	Results*
Solar Reflectance (SR) Initial/Aged:	ASTM D7897 Rapid Rating	.73/.63
Solar Reflectance Index (SRI) Initial/Aged:	ASTM E1980-79 Rapid Rating	90/76
Softening Point:	ASTM D36	310°F
Tensile Strength:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	100/60 lbs./in.
	@ 0 +/- 3.6°F MD/XD	130/80 lbs./in.
Elongation:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	45%/55%
	@ 0 +/- 3.6°F MD/XD	30%/20%
Dimensional Stability:	ASTM D5147 MD/XD	0.5%/0.3%
Low Temperature Flex:	ASTM D5147	Pass @ 8°F
Compound Stability:	ASTM D5147	250°F
Thickness:	ASTM D5147	4.0 mm (157 mils)
Tear Strength:	ASTM D5147	
	@ 73.4 +/- 3.6°F MD/XD	130/90 lbs.

*NOTE: Published results are nominal production values confirmed by independent laboratory testing.

CAUTION: FIRE HAZARD

Torch application of this product may create a risk of fire, including smoldering fires. The roofing applicator is solely responsible for ensuring and enforcing safe and proper application of TRI-BUILT® roofing products by competent and qualified personnel. Only properly trained roofing professionals are authorized to install this product.

Never apply flame directly to combustible materials or allow the flame to enter into hidden or protected areas that may contain combustible materials. Follow all local code requirements. Have a Class A-B-C fire extinguisher available to each applicator. Thoroughly inspect the job site whenever torching equipment has been used. Be certain that all chances of a fire have been eliminated.

Refer to the Midwestern Roofing Contractors Association (MRCA) CERTA program, National LP Gas Association, National Roofing Contractors Association (NRCA), National Fire Protection Association (NFPA), and Asphalt Roofing Manufacturers Association (ARMA) for further information and safety recommendations.

