

Sustainable Performance®

Superior Performance & Better for the Environment

CRAFTSMANSHIP

Up to 2X Larger Nailing Area
Up to 50% More Adhesive Bonds
2X Rain Seals

PERFORMANCE

Up to 10% Greater Tear Strength
Up to 65% Greater Granule Adhesion
Class 3 Impact Rating

SUSTAINABILITY [PER ROOF]

Upcycles ~4 Rubber Tires
Upcycles ~2,900 Plastic Bags
Cleans Smog Pollution like ~2 <u>Trees</u>

Highlander® & Highlander® Cool

Architectural Shingles - Aging and Impact Resistant

Highlander® & Highlander® Cool shingles are made with our patented **NEX® Polymer Modified (SBS Rubberized) Asphalt**, an innovative technology that infuses rubber and plastic polymers to strengthen the asphalt core of the shingle for superior impact resistance, granule adhesion, all-weather resilience, and aging longevity.

Highlander® & Highlander® Cool shingles are also sustainable. Upcycled polymers from used tires and plastic bags improve durability and aging resistance, while helping reduce landfill waste. And smog-reducing granules help clean the air of emission pollutants, like planting trees on your roof.

Sustainability without sacrificing performance.

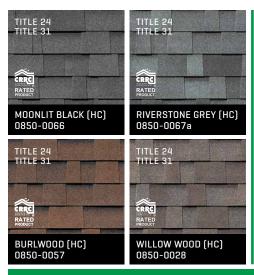
BEST IN CLASS

Malarkey's Highlander* & Highlander* Cool shingles are Best In Class – made with the industry's leading technology [NEX* SBS rubberized asphalt], second-highest impact rating [Class 3], strongest sustainability [aging longevity, upcycled rubber & plastic, smog-reducing granules], and superior warranty protection for peace of mind.

Color Options

See shingle colors on a roof, or your roof, at www.malarkeyroofing.com/roof-designer. Colors available by shingle line: Highlander [H] Highlander Cool [HC]



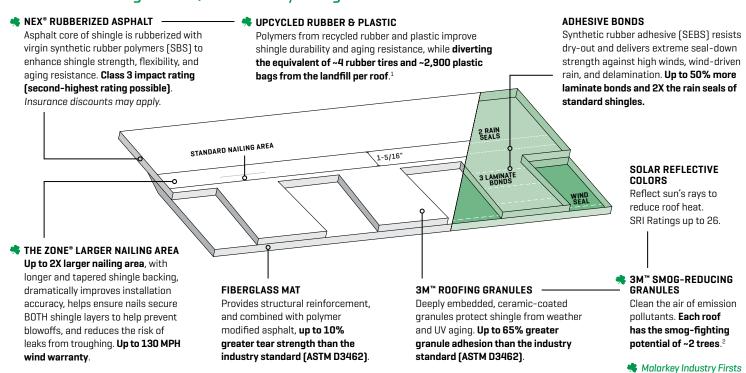


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SILVERWOOD (H)	DRY MIST (I			DEN AMBE 0-0024	R (H)	CRRC RATED PRODUCT SIENN 0850-	A BLEND	(H)	
Licensed Manufacturer ID: 0850 Classification: Production Line	Moonlit Black	Riverstone Grey	Burlwood	Willow Wood	Silverwood	Ivory Mist	Golden Amber	Sienna Blend	
Solar Reflectance [†] (Aged)	0.20	0.20*	0.21	0.20	0.21	0.24	0.21	0.20	
Thermal Emittance [†] (Aged)	0.92	0.92*	0.94	0.92	0.93	0.95	0.91	0.92	
Solar Reflective Index [†] (SRI) (Aged)	20	20*	22	20	21	26	21	20	
Related Product ID	0850-	0850-	0850-	0850-	0850-	0850-	0850-	0850-	

Note: CRRC-rated colors featured in this flyer can be used to comply with California Energy Code (CEC) Title 24, Part 6 and Los Angeles County, California Title 31 Cool Roof Requirements

†Results are CRRC listings unless marked otherwise.

Performance Engineered, Sustainably Designed













MEETS CSA A123.5 STANDARDS *



Disclaimer: Photographs of shingles may not accurately represent their true color or the variations of color blends that will appear on the roof. Before installation, five or six shingles should be laid out and reviewed for desired color. Colors and specifications subject to change without notice. Shingle colors not available in all regions.

This version supersedes all previous versions. Rev. 12/25 www.malarkeyroofing.com 800-545-1191



^{*}Solar reflectance data calculated using the California Energy Commission SRI Calculation Worksheet

¹ Assumes roof of 30 squares.

Assumes roof of 30 squares. Source: Lawrence Berkeley National Laboratory and 3M.
Test Compliance – All Shingles – ASTM D7158 Class H, ASTM D3462, ASTM D3161 Class F, ASTM D3018 Type I, ASTM E108 Class A Fire Rating, UL 2218 Class 3, CSA A123.5, ICC Approval – ESR-3150, and ICC-ES AC438.
CRRC-rated colors featured in this flyer can be used to comply with California Energy Code (CEC) Title 24, Part 6 and Los Angeles County, California Title 31 Cool Roof Requirements (Highlander* Cool in Burtwood, Moonlit Black, Riverstone Grey, and Willow Wood, and Highlander* in Golden Amber, Ivory Mist, Sienna Blend, and Silverwood).

For complete warranty information, please reference
 Malarkey's Shingle and Accessory Warranty available at www.malarkeyroofing.com/warranties.