



SOLAR REFLECTIVE SHINGLES



SHOWN IN BURLWOOD



Solar Reflective Shingles

Performance Engineered, Sustainably Designed

Aging & Impact Resistant

Made Better to Last Longer, & More Sustainable

Malarkey 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.

Malarkey solar reflective shingles are also sustainable. Upcycled polymers from used tires and plastic bags improve durability and aging resistance, while helping reduce landfill waste. Smog-reducing granules help clean the air of emission pollutants. And solar reflective granules help cool the roof.

Sustainability without sacrificing performance.



🍀 NEX® RUBBERIZED ASPHALT

Asphalt core of shingle is strengthened with SBS rubber polymers for superior all-weather resilience and aging resistance, then formed around a fiberglass mat, for **up to 25% greater tear strength than the industry standard (ASTM D3462), and up to Class 4 impact rating (highest rating possible)**. Insurance discounts may apply.

🍀 UPCYCLED RUBBER & PLASTIC

Polymers from recycled rubber and plastic improve shingle durability and aging resistance, while helping reduce landfill waste. **Each average-sized roof (30 squares) upcycles the equivalent of ~4 rubber tires and ~2,900 plastic grocery bags.**¹

🍀 EXTRA, RUBBERIZED RAIN SEAL

2X the rain seals of standard shingles, rubberized with SEBS rubber polymers to improve adhesion, resist dry-out, and provide extra leak protection.

EXTRA, RUBBERIZED LAMINATE BOND

Up to 50% more laminate bonds than standard shingles, rubberized with SEBS rubber polymers to improve adhesion, resist dry-out, and provide extra protection against shingle delamination.

LARGE, RUBBERIZED WIND SEAL

Large wind seal, rubberized with SEBS rubber polymers to improve seal-down adhesion and resist dry-out, helps prevent wind from lifting the shingle up and off the roof. **Wind warranty up to 130 mph.**

It takes over 6,000 nails to secure a roof. Even one out of place can cause a leak.

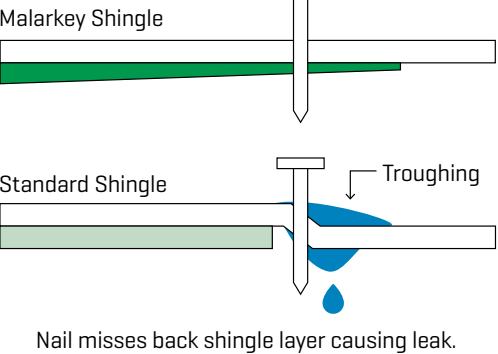
🍀 THE ZONE® LARGER NAILING AREA

Up to 2X larger nailing area dramatically improves installation speed and accuracy, and helps ensure nails secure BOTH shingle layers – critical for preventing blow-offs.

🍀 LONGER & TAPERED BACKING SHIM

Longer, tapered shingle backing helps ensure nails penetrate BOTH shingle layers (critical for preventing blow-offs), promotes water flow, and helps prevent rain from blowing under the shingle and pooling (troughing), waiting to leak down a misplaced nail.

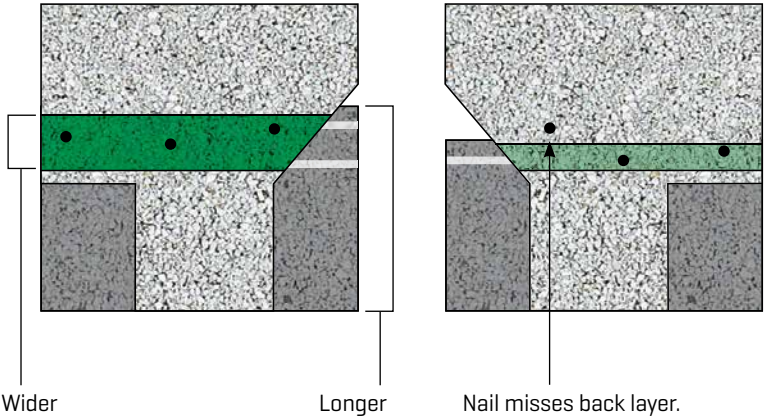
Side View:



Top View:

Malarkey Shingle

Standard Shingle



CERAMIC-COATED GRANULES

3M™ Roofing Granules add color vibrancy and protect the shingle from hail impact and UV aging, while NEX® Rubberized Asphalt dramatically improves granule retention. **Up to 65% greater granule adhesion than the industry standard (ASTM D3462).**

🍀 SMOG-REDUCING GRANULES

Blend of photocatalytic 3M™ Smog-Reducing Granules harness sunlight to actively clean the air of emission pollutants. **Each average-sized roof (30 squares) has the smog-fighting potential of ~2 trees.**²

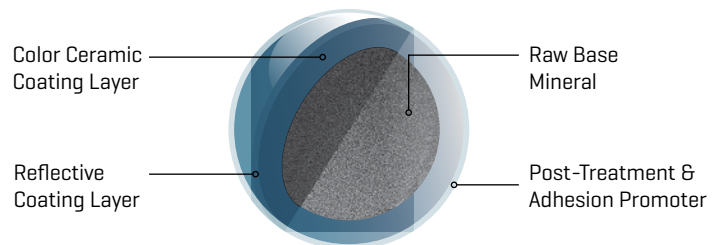
SOLAR REFLECTIVE GRANULES

Light colors naturally **reflect the sun's rays to reduce heat**. For darker colors, 3M™ Cool Roofing Granules employ a special coating that enhances solar reflectivity [Ecoasis® shingle line].

	VERY GOOD	BETTER
Solar Reflective Architectural Shingle Lines Comparison Chart	Highlander® Ecoasis®	Vista®
Rubberized Asphalt Technology	NEX ¹	NEX ¹
Impact Rating [Class 4 Highest]	Class 3	Class 4
Fire Rating [Class A Highest]	Class A	Class A
Tear Strength*	+10%	+25%
Thickness		+10%
Sustainability [assumes roof of 30 squares]		
~Upcycled Rubber Tires	4	5
~Upcycled Plastic Bags	2,900	3,200
~Trees 'Planted' ²	2	2
Cost	\$	\$\$
Warranties*:		
Shingle Warranty	Limited Lifetime	Limited Lifetime
Non-Prorated Period [years]	10	15
Algae Warranty	NA	NA
Standard Wind Warranty [mph / kph / years]	110 / 177 / 15	110 / 177 / 15
Enhanced Wind Warranty [mph / kph / years]	130 / 209 / 15	130 / 209 / 15
*Versus standard shingles, as measured per ASTM D3462.		

3M™ COOL ROOFING GRANULES (SOLAR REFLECTIVE)

Shingles are assigned an SRI [Solar Reflective Index] rating by the Cool Roof Rating Council [CRRC]. The higher the SRI, the greater the reflectivity. CRRC rated colors of at least SRI 16 can be used to comply with California Energy Code [CEC] Title 24, Part 6 Cool Roof Requirements. SRIs of 20 or more can also be used to comply with Los Angeles County, California Title 31 Cool Roof Requirements.



¹ Assumes roof of 30 squares using Ecoasis® shingles.

² 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, CSA A123.5, ICC Approval - ESR-3150, and ICC-ES AC438, UL 2218 Class 4 [Vista® line] and UL 2218 Class 3 [Ecoasis® and Highlander® lines]. CRRC-rated colors can be used to comply with California Energy Code [CEC] Title 24, Part 6 Cool Roof Requirements [Ecoasis® Black Dusk, Burlwood, Coastal Grey, Desert Brush, Moonlit Black, Pacific Drift, Riverstone Grey, and Willow Wood, Highlander® Golden Amber, Ivory Mist, Sienna Blend, and Silverwood, and Vista® Sienna Blend and Silverwood]. Ecoasis® Burlwood, Moonlit Black, Riverstone Grey, and Willow Wood, Highlander® Golden Amber, Ivory Mist, Sienna Blend, and Silverwood, and Vista® Silverwood shingles can also be used to comply with Los Angeles County, California Title 31 Cool Roof Requirements.

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 or product lines.

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

This version supersedes all previous versions. Rev. 07/24

www.malarkeyroofing.com

