

HIGHLANDER® AR (ALGAE RESISTANT)

QUICK SPECS

Impact Rating	Class 3
Shingle Warranty*	Limited Lifetime
Non-Prorated Period	10 Years
Algae Warranty	10 Years
Limited Wind Warranty	110 MPH
Enhanced Wind Warranty	130 MPH

Home shown in Natural Wood



Sustainable Performance® Highlander® AR Best in Class 3 Shingles

CRAFTSMANSHIP

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

PERFORMANCE

Made of SBS Rubberized Asphalt
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 Trees

Highlander® AR (Algae Resistant)

Not All Class 3 Roofing Shingles Are the Same

Rubberized Asphalt & Class 3 Impact Rating

Class 3 shingles are rated for their ability to withstand impact, capable of surviving twelve, 1.75" steel balls dropped from 17 feet without cracking through. **However, shingles can pass this test while still showing visible surface damage like bruising, denting, or granule loss - issues not covered by warranties or insurance.** Hard and brittle, traditional roofing shingles can be especially prone, which is why **Malarkey invented Polymer Modified (SBS Rubberized) Asphalt Shingles** - the addition of rubber polymers enhances shingle granule adhesion (deeper granule embedment), longevity (resists UV aging), and impact resistance (due to shock absorption).

Sustainability & Best-in-Class Performance

Beyond durability, Malarkey shingles are also designed with sustainability in mind. **Malarkey's Highlander AR stands out as the only Class 3 shingle combining rubberized asphalt, recycled rubber and plastic, and smog-reducing granules, along with an enhanced nailing area for superior wind protection—best in class.**

Class 3 shingles often qualify for homeowner's insurance discounts.



COMPARISON

Malarkey Class 3 Shingles vs. Other Class 3 Shingles

CRAFTSMANSHIP

Extra Rain Seal - Extra leak protection from wind-blown rain	Yes <i>Invented</i>	Few
Larger Wind Seal - Extra leak protection from wind uplift	Yes	Few
True 3-Part Larger Nailing Area - Wider nailing lines - installation accuracy - Longer common bond - wind blow-offs and delamination - Tapered backing shim - reduces leaks from troughing	Yes <i>Invented</i>	No
True 100 SQ Foot Coverage Per ‘Square’ - Get 100% of what you pay	Yes	Few

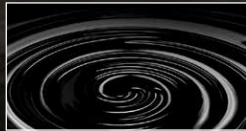
PERFORMANCE

Made of SBS Rubberized Asphalt - Superior all-weather resilience and impact resistance	Yes <i>Invented</i>	No
Class 3 Impact Rated - Second highest impact rating possible	Yes	Yes
Superior Granule Adhesion - Up to 65% greater granule adhesion than the industry standard	Yes	No
Superior Tear Strength - Up to 10% greater tear strength versus standard shingles	Yes	No
Anti-UV Aging Technology - From SBS asphalt formula and upcycled tire rubber	Yes	No

SUSTAINABILITY

Incorporate Upcycled Tire Rubber - Added durability and sustainability	Yes <i>Invented</i>	No
Incorporate Upcycled Plastic - Added strength and sustainability	Yes <i>Invented</i>	No
Topped with Smog-Reducing Granules - Helps clean the air of emission pollutants	Yes <i>Invented</i>	One <i>Regionally</i>

NEX® RUBBERIZED ASPHALT FORMULA



High-Grade Asphalt
Waterproofing &
Granule Adhesion

+



Synthetic Rubber Polymers [SBS]
Strength, Aging, Flexibility

+



Upcycled Rubber Polymers
Durability, Aging, Sustainability

+



Upcycled Plastic Polymers
Strength & Sustainability

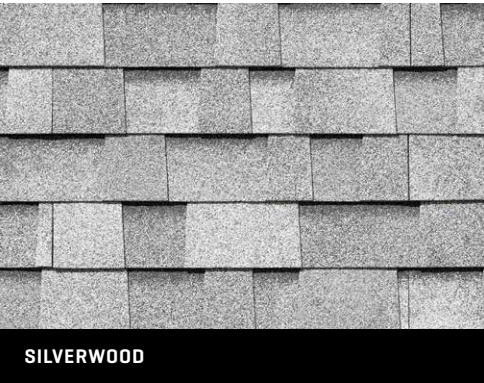
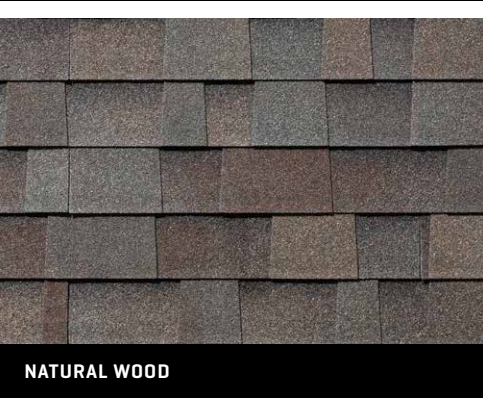
COLOR

Malarkey offers a full palette of the most popular shingle colors. And our *Roof Designer*, located on our website, helps you visualize your new roof using a standard photo or your own.

Prior to making your color selections, please ask to see an actual shingle for the most accurate depiction of shingle, color, and thickness.

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.

Matching colors available in high-profile **EZ-Ridge® XT** as well as standard low-profile **RidgeFlex®** hip and ridge shingles.



Performance Engineered + Sustainably Designed

NEX® Polymer Modified [SBS Rubberized] Asphalt

Asphalt core of shingle is strengthened with SBS rubber polymers for superior all-weather resilience and aging longevity. **Class 3 hail impact rating (second highest rating possible).** Insurance discounts often 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 tires and ~2,900 plastic 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 from wind-blown rain.

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 protect against shingle delamination.

The Zone® Larger Nailing Area

Up to 2X larger nailing area creates a bigger nailing target, improving installation speed and accuracy, and helping keep the two shingle layers from separating.

Longer & Tapered Backing Shim

Longer backing shim helps ensure nails secure BOTH shingle layers, (top and bottom) critical to preventing blow-offs. Tapered backing shim helps shingles lay flatter to better shed water and help prevent rain from blowing under the shingle and pooling (troughing), waiting to leak down a misplaced nail.

Fiberglass Mat

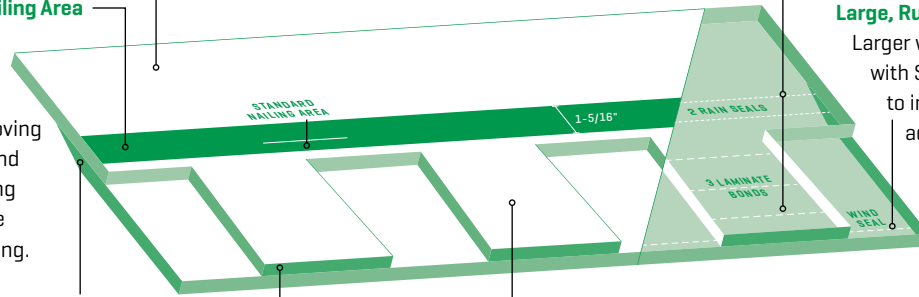
Provides structural reinforcement and, combined with NEX® Rubberized Asphalt, **up to 10% greater tear strength** than the industry standard (ASTM D3462).


Algae-Resistant Granules

Blend of algae-resistant 3M™ Copper Granules help prevent black streaks caused by algae growth. **Up to 65% greater granule adhesion** than the industry standard with 10-year algae warranty.

Smog-Reducing Granules

Blend of photocatalytic 3M™ Smog-Reducing Granules harness sunlight to actively clean the air of smog emission pollutants like nitrogen dioxide (NO₂). **Each average-sized roof (30 squares) has the smog-fighting potential of ~2 trees.²**

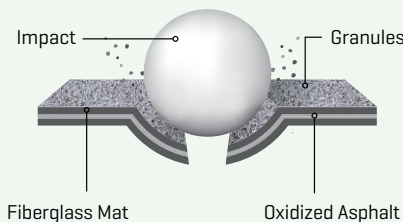


 **Malarkey Industry Firsts**

¹ Assumes roof of 30 squares.

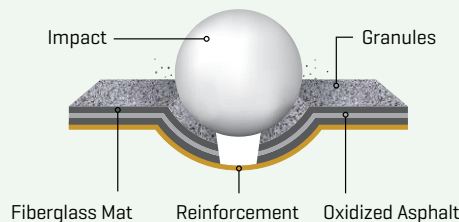
² Assumes roof of 30 squares. Source: Lawrence Berkeley National Laboratory and 3M.

Impact Resistance Comparison



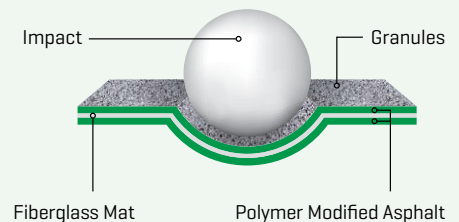
Standard Shingles

Brittle, more likely to fracture & lose granules from hail impact.



Standard Shingles with Reinforcement

Some shingles add a scrim backing to prevent/mask cracks in the asphalt to pass the impact test, but this layer does nothing to protect the top of the shingle.



Malarkey Shingles

Rubberized to better absorb and deflect hail impact without damage.



*Scan for complete warranty information, or visit www.malarkeyroofing.com/warranties.

www.malarkeyroofing.com 800-545-1191
Made in Oklahoma City, OK



Scan for complete **Highlander® AR shingle product specifications & testing**, documents & resources.

This version supersedes all previous versions.
Rev. 07/25



MADE IN USA

MEETS CSA A123.5 STANDARDS