



Shown in Natural Wood

**QUICK SPECS**

Impact Rating	Class 3
Shingle Warranty*	Limited Lifetime
Non-Prorated Period	10 Years
Algae Warranty	10 Years
Limited Wind Warranty	110 MPH / 177 KPH
Enhanced Wind Warranty	130 MPH / 209 KPH



**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 Trees

# Highlander® AR

**Architectural Shingles – Aging, Algae, and Impact Resistant**

Highlander® AR [algae resistant] 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® AR 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® AR 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](http://www.malarkeyroofing.com/roof-designer).



## Performance Engineered, Sustainably Designed

### NEX® RUBBERIZED ASPHALT

Asphalt core of shingle is rubberized with virgin synthetic rubber polymers (SBS) to enhance shingle strength, flexibility, and aging resistance. **Class 3 impact rating [second-highest rating possible].** Insurance discounts may apply.

### UPCYCLED RUBBER & PLASTIC

Polymers from recycled rubber and plastic improve shingle durability and aging resistance, while **diverting the equivalent of ~4 rubber tires and ~2,900 plastic bags from the landfill per roof.**<sup>1</sup>

### ADHESIVE BONDS

Synthetic rubber adhesive (SEBS) resists dry-out and delivers extreme seal-down strength against high winds, wind-driven rain, and delamination. **Up to 50% more laminate bonds and 2X the rain seals of standard shingles.**

### THE ZONE® LARGER NAILING AREA

**Up to 2X larger nailing area**, with longer and tapered shingle backing, dramatically improves installation accuracy, helps ensure nails secure BOTH shingle layers to help prevent blowoffs, and reduces the risk of leaks from troughing. **Up to 130 MPH wind warranty** [209 KPH].

### FIBERGLASS MAT

Provides structural reinforcement, and combined with polymer modified asphalt, **up to 10% greater tear strength than the industry standard** [ASTM D3462].

### 3M™ ROOFING GRANULES

Deeply embedded, ceramic-coated granules protect shingle from weather and UV aging. **Up to 65% greater granule adhesion than the industry standard** [ASTM D3462].

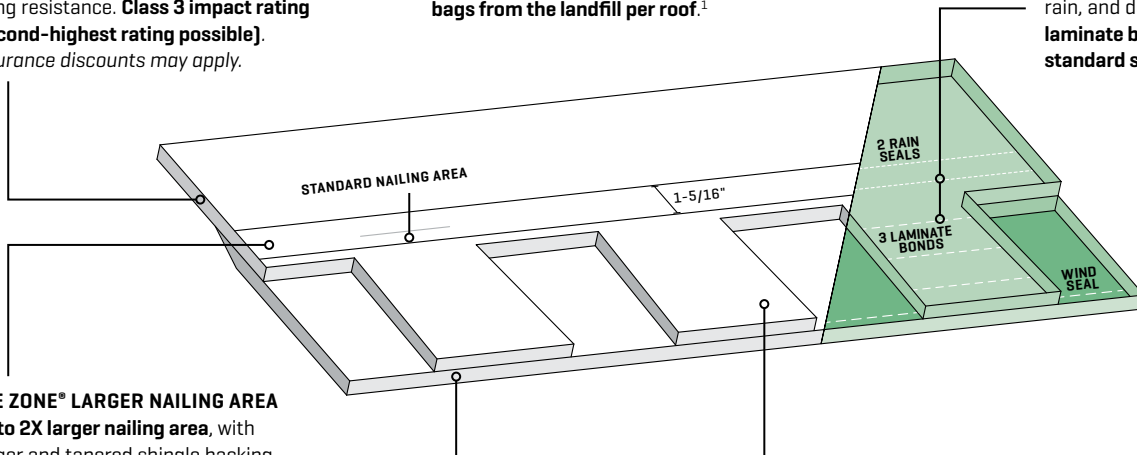
### 3M™ SMOG-REDUCING GRANULES

Clean the air of emission pollutants. **Each roof has the smog-fighting potential of ~2 trees.**<sup>2</sup>

### 3M™ COPPER GRANULES

Reduce black streaks caused by algae growth. **10-year algae warranty.**

Malarkey Industry Firsts



<sup>1</sup> Assumes roof of 30 squares.

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

**Test Compliance** – 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.

**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.

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

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[www.malarkeyroofing.com](http://www.malarkeyroofing.com)  
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