

#### REDUCES AIR POLLUTION

3M<sup>™</sup> Smog-Reducing Granules harness sunlight to photocatalytically convert smog (NO, NO<sub>2</sub>) into water-soluble ions (NO<sub>3</sub>), actively reducing smog air pollution.



EACH ROOF HAS THE SMOG-FIGHTING POTENTIAL OF 2 OR MORE TREES.<sup>1</sup>

### **UPCYCLES MATERIALS**

Recycled rubber and plastics are elevated into a higher-quality product, improving shingle strength and longevity.



EACH ROOF DIVERTS THE EQUIVALENT OF 5 RUBBER TIRES AND 350 PLASTIC MILK JUGS FROM THE LANDFILL.<sup>2</sup>

## HIGHLANDER NEX AR

# Architectural Shingles NEX® MODIFIED ASPHALT TECHNOLOGY

Highlander® NEX® AR (algae-resistant) is an architectural shingle engineered with industry-leading, sustainable NEX® Polymer Modified Asphalt Technology (PMA), which combines high-grade asphalt (weathering) with advanced polymers (strength, flexibility) and upcycled materials (durability, sustainability) to rubberize the shingle for exceptional all-weather performance, superior granule embedment, and longer product life.

LIMITED LIFETIME

SHINGLE WADDANTY 10 YEAR

RIGHT START™

10 YEAR

ALGAE

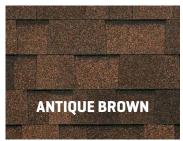
110-130 MPH WIND



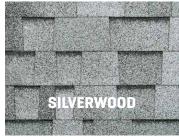












Matching colors available in high-profile EZ-Ridge™ and EZ-Ridge™ XT as well as standard low-profile RidgeFlex™ hip and ridge shingles.

### PERFORMANCE ENGINEERED

**All-Weather Performance** – NEX® Technology rubberizes shingles to better respond to varying and extreme weather.

Resists Impact - Synthetic rubber (SBS) polymers add pliability and resilience to resist tears and provide a high level of impact protection (hail, debris).

Resists Wind & Rain - Synthetic adhesive (SEBS), double rain seals, and The Zone®, our patented wider nailing area, seal down shingles and block out winddriven rain. Wind warranties from 110-130 mph.

Resists Algae - Blend of algae-resistant, coppercontaining granules help prevent unsightly black streaks. 10-year algae warranty.

**Resists Fire** – Shingles meet highest fire rating (Class A).

'Your Choice' Warranty - Select our transferable Limited Lifetime Shingle Warranty or one from a competitor - your choice.

### **ENVIRONMENTALLY DESIGNED**

**Reduces Smog** – 3M™ Smog-Reducing Granules harness sunlight to reduce smog air pollution.

**Upcycles Materials** - Recycled rubber and plastics are repurposed to enhance shingle durability.

**Lasts Longer** – Superior granule adhesion protects shingles from premature aging caused by solar rays.

Cleaner Manufacturing - NEX® Technology results in much lower emissions than the highly-pollutive oxidation process used to make traditional shingles.

Less Waste - Malarkey has earned GreenCircle Certification for Waste Diversion from Landfill at all its facilities.











- Assumes roof of 30 squares. Source: Lawrence Berkeley National Laboratory and 3M.
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Test Compliance -ASTM D7158 Class H, ASTM D3462, ASTM D3161 Class F, ASTM D3018 Type I, ASTM E108 Class A Fire Rating, ICC-ES AC438 and CSA A123.5

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 Limited Lifetime Warranty and 'Your Choice' Warranty details, as well as information on our other warranties (such as Wind and Algae) and the Right Start™ 10-year non-prorated period against manufacturing defects, please reference Malarkey's Shingle and Accessory Warranty available at www.malarkeyroofing.com/warranty-center.

This version supersedes all previous versions. Rev. 11/19

WARRANTIES+

Limited Lifetime Shingle Warranty Right Start™ Period (10 years) Limited Wind Warranty (110 mph) Enhanced Wind Warranty (130 mph) Algae Resistant Warranty (10 years)

MEETS CSA A123.5 STANDARDS 🍁

