

# Sustainably Designed, High Performance Roofing Shingles

Rubberized Asphalt Technology, Upcycled Tires & Plastics, Pollution-Reducing Granules

**NEX® RUBBERIZED ASPHALT**

Asphalt core of shingle is rubberized with virgin synthetic rubber polymers (SBS) to enhance shingle strength, flexibility, and aging resistance. **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 **diverting the equivalent of ~5 rubber tires and ~3,200 plastic bags from the landfill per roof.**<sup>1</sup>

**MORE 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 delamination, 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 35% 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).**

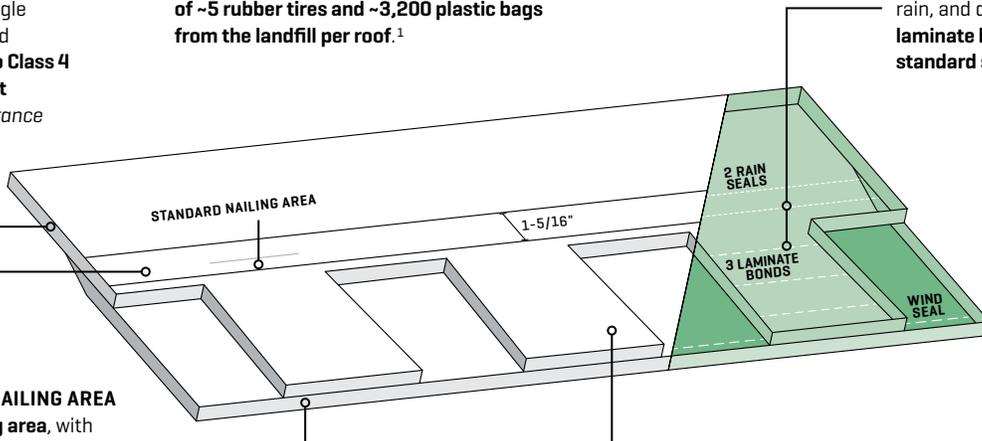
**3M™ SMOG-REDUCING GRANULES**

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 blue-green algae. **Up to a Limited Lifetime Algae Warranty.**<sup>3</sup>

*Malarkey Industry Firsts*

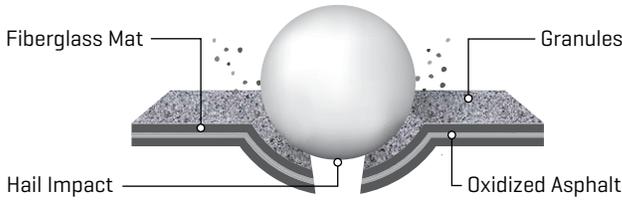


Architectural Shingle Lines Comparison Chart	GOOD	BETTER	BEST
	Highlander® AR	Vista® AR	Legacy® Scotchgard™ Protector
<b>Rubberized Asphalt Technology</b>	NEX®	NEX®	NEX®
<b>Impact Rating</b> [Class 4 highest]	Class 3	Class 4	Class 4
<b>Fire Rating</b> [Class A highest]	Class A	Class A	Class A
<b>Tear Strength*</b>	+10%	+25%	+35%
<b>Granule Adhesion*</b>	+65%	+65%	+65%
<b>Thickness</b>		+10%	+19%
<b>Sustainability</b> (assumes roof of 30 squares)			
~Upcycled Tires	4	5	6
~Upcycled Plastic Bags	2,900	3,200	4,000
~'Planted' Trees <sup>2</sup>	2	2	2
<b>Warranties*:</b>			
<b>Shingle Warranty</b>	Limited Lifetime	Limited Lifetime	Limited Lifetime
Non-Prorated Period [years]	10	15	20
<b>Algae Warranty</b> [years] <sup>3</sup>	15	25	Limited Lifetime**
<b>Standard Wind Warranty</b> [mph / kph / years]	110 / 177 / 15	110 / 177 / 15	110 / 177 / 15
<b>Enhanced Wind Warranty</b> [mph / kph / years]	130 / 209 / 15	130 / 209 / 15	130 / 209 / 15

\*Versus standard shingles, as measured per ASTM D3462. \*\*Included on shingles with Scotchgard™ Protector from 3M.

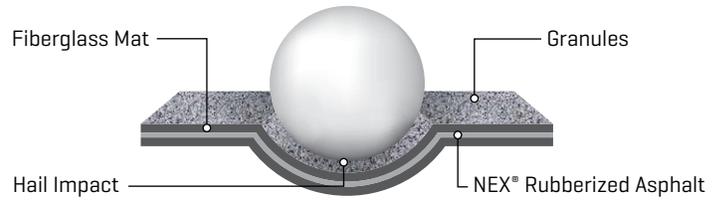
### STANDARD SHINGLES - BRITTLE IMPACT RESISTANCE

Standard shingles are made of hard, brittle, oxidized asphalt, more likely to fracture, tear, and lose granules from hail impact.



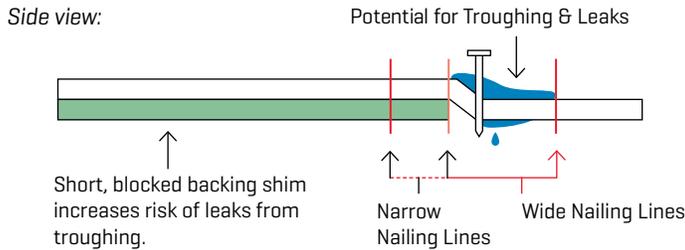
### MALARKEY SHINGLES - RUBBERIZED IMPACT RESISTANCE

Malarkey shingles are made with our patented NEX® polymer modified [rubberized] asphalt, more rubberlike to better grip granules and better absorb and deflect hail impact without damage.



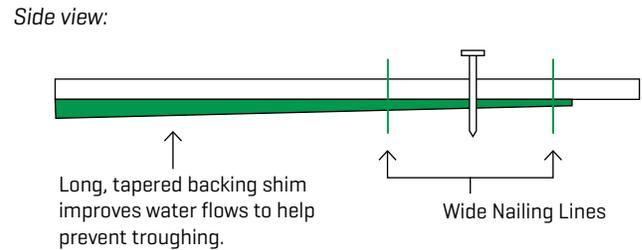
### STANDARD SHINGLES 'LARGER' NAILING AREA

Standard shingles tend to have a smaller nailing area that's hard to hit, or a 'false' larger nailing area with wider nailing lines on the top of the shingle, but a short backing shim, so nails that hit high *within* the lines still fail to secure the back shingle layer.



### MALARKEY SHINGLES LARGER NAILING AREA

Wider nailing lines create a bigger nailing target, while a longer backing shim, helps ensure nails also secure the bottom shingle layer – critical to helping prevent uplift and blow-offs.



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

Distributed from Portland, OR (color availability): [H] Highlander® AR [V] Vista® AR  
 Scotchgard™ Protector Lines include: [L] Legacy® Scotchgard™ Protector

<sup>1</sup> Assumes roof of 30 squares using Vista® shingles.  
<sup>2</sup> Assumes roof of 30 squares. Source: Lawrence Berkeley National Laboratory and 3M.  
<sup>3</sup> Warranty coverage is limited solely to blue-green algae [Gloeocapsa magma]. No other algae or biological growths are covered.

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 (Legacy® and Vista® lines) and UL 2218 Class 3 (Highlander® line).

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. Scotchgard is a trademark of 3M.  
 + For complete warranty information, please reference **Malarkey's Shingle and Accessory Warranty available at [www.malarkeyroofing.com/warranties](http://www.malarkeyroofing.com/warranties).**



[www.malarkeyroofing.com](http://www.malarkeyroofing.com)  
 This version supersedes all previous versions. Rev. 02/26

MEETS CSA A123.5 STANDARDS

