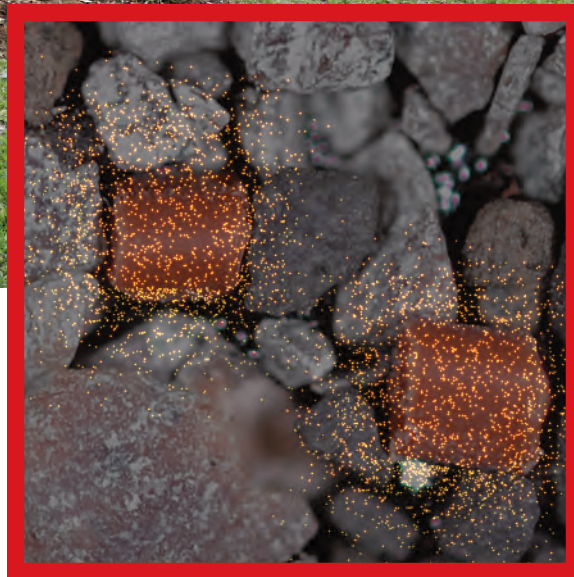


GAF Advanced Algae Protection



**The algae-fighting
technology no one
else has**

Proprietary to GAF, our Time-Release Algae-Fighting Technology powers our 25 and 30-year limited warranties against blue-green algae discoloration on our most popular shingles.



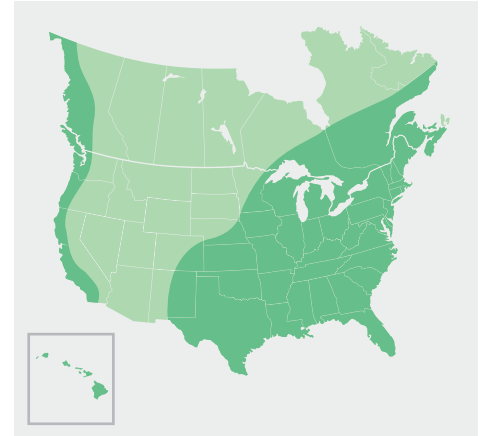
GAF Advanced Algae Protection

The Challenge: Blue-Green Algae Discoloration

- More than 80% of homes in North America are exposed to blue-green algae (*Gloeocapsa magma*), which leaves dark black stains wherever it grows and makes millions of perfectly good roofs look old before their time.
- Many traditional algae-resistant shingles use granules that contain a layer of algae-fighting copper that is released onto the roof when it's wet. As the roof ages, those granules release less copper, reducing the shingle's algae resistance.



Gloeocapsa magma is blue-green in color, but surrounds itself with a dark brownish-black shell to protect against the sun's rays. The dark shell causes the telltale streaking on the roof.

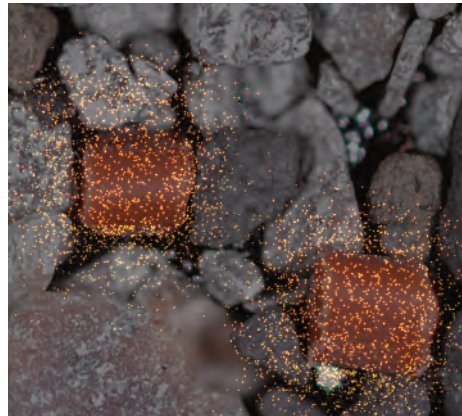


Blue-green algae can be found throughout the U.S. and Canada but poses a much greater problem in areas of high humidity.

■ Danger zone ■ Moderate problem

The Response: GAF Time-Release Algae-Fighting Technology

- Specially engineered capsules are infused throughout with thousands of copper microsites.
- These breakthrough capsules release algae-fighting copper efficiently, over time, for long-lasting algae-fighting power.
- Time-Release Algae-Fighting Technology allows us to offer 25 and 30-year limited warranties against blue-green algae discoloration on qualifying GAF products.*



GAF products with 25-year StainGuard Plus™ Algae Protection Limited Warranty*:

Timberline® Shingles	Slateline®
Timberline HDZ®	Woodland®
Timberline® AS II	
Timberline® CS	Ridge Cap Shingles
Timberline HDZ® RS	Seal-A-Ridge®
	Seal-A-Ridge® AS
Designer Shingles	TimberCrest®
Grand Canyon®	Ridglass®
Grand Sequoia®	TimberTex®
Grand Sequoia® AS	Z® Ridge
Grand Sequoia® RS	
Camelot® II	Starter Strip Shingles
	StarterMatch®

Want longer algae protection?

Timberline UHDZ® is packed with 10% more Time-Release Algae-Fighting Technology than our best-selling shingles, which powers the **30-year StainGuard Plus PRO™ Algae-Protection Limited Warranty** — only on Timberline UHDZ®.



Visit gaf.com/AlgaeProtection

*25-year StainGuard Plus™ and 30-year StainGuard Plus PRO™ Algae Protection Limited Warranties (as indicated) against blue-green algae discoloration are available only on products sold in packages bearing the StainGuard Plus™ or StainGuard Plus PRO™ logos. See GAF Shingle & Accessory Limited Warranty for complete coverage, restrictions, and qualifying products.

We protect what matters most™

