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From North America's
Largest Roofing
Manufacturer!™

Steep Slope Technical Point

TO: Steep Slope Sales Team,
GAF Contractors, GAF
Distributors.

FROM: Contractor Services

DATE: 03/11/11

No: 10

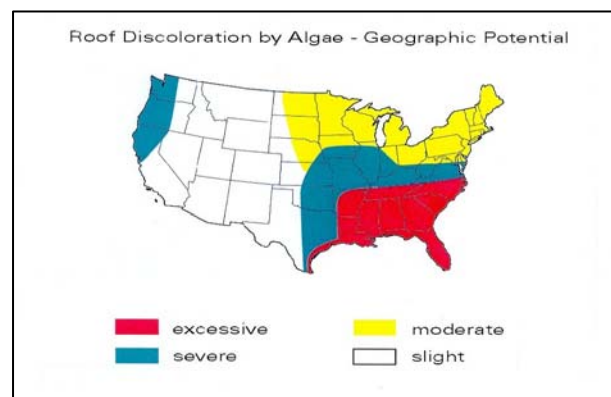
SUBJECT: *Algae Staining On Shingled Roof Surfaces*

<i>What Are Those Black Stains On The Roof?</i>	Those black stains are Algae . Algae appear as dark stains on shingles that usually cover more area on the lower section of the roof and taper as they reach the ridge.
<i>How Does A Roof Get Algae?</i>	Algae spread from one infected roof to another via airborne spores . These spores land randomly on a roof and take root. A protective sheath creates the dark color the algae forms to protect itself from UV rays.
<i>How Does It Grow?</i>	Algae require moisture and proper temperatures to grow . Dew is the primary moisture source. Algae are found predominantly in the Southeast, but it can and will grow nationwide. The algae generally grow on the northern exposures of the roof since this exposure generally receives less sunlight. Algae are well adapted to extreme conditions.
<i>What Solutions Do I Have?</i>	<ol style="list-style-type: none"> 1. Install Algae Resistant Shingles, such as GAF shingles which have a specially formulated granule that inhibits algae growth, keeping your roof looking new for several years. 2. If a new roof is not an option, GAF recommends having your roof cleaned by a Certified Roof Cleaning Professional. A Certified Roof Cleaning Professional will only utilize the non-pressure or "soft-wash" methods which are recommended by GAF. * If the contractor is not certified, there is a good chance they are using equipment that will damage the roof surface.
<i>What NOT To Do!</i>	Do not use high pressure equipment such as a power washer, water broom, or surface cleaner. Make sure you ask what equipment is being used before hiring a roof cleaning company.
<i>What GAF Shingles Can I Use?</i>	GAF Designer Lifetime Shingles have StainGuard® Protection nationwide . Additionally, Timberline® Natural Shadow™, Timberline® HD™ and Timberline® Ultra HD™ have StainGuard® protection in most areas. Finally, Royal Sovereign® is also available with StainGuard® protection in select areas. All colors have Stain Guard® Protection.
<i>Where Can I Get More Information?</i>	GAF Technical Services can assist you... with these and other questions you may have regarding your new roof installation. GAF Technical Services can be contacted at 800-ROOF-411 (800-766-3411). Also, <i>the GAF website is a great resource</i> for just about any question you may have or for additional information you may require. That site is at: www.gaf.com

*except west zone



Extensive algae growth.



Geographic potential map.