



# PRESENTS ROOF-GUARD 101™ ASPHALT SHINGLE FORMULA

## WHAT IS ROOF-GUARD ?

Roof Guard is a high quality Acrylic formulation that is applied to either new or old asphalt shingle roofs.. Roof Guard will protect your roof against Algae and Granular loss. It is a clear non toxic sealer that is impregnated with our \*Bio-Guard, a copper compound that will extend the life of your roof for years. The Roof-Guard formula is specifically designed to attach itself to lime and asphalt shingles.

## WHY USE ROOF-GUARD?

Roof algae is technically referred to as " **GLOEOCAPSA MAGMA**", an airborne strain that is spread from one roof surface to another by wind. These algae will discolor the surface and absorb solar heat. The results are premature failure in composition surfaces and of course unsightly appearances.

Gloeocapsa Magma loves to thrive on limestone. Older shingles used an asphalt saturated felt paper made from scrap cotton rags and wood chips. New synthetic textiles eliminated the cotton rags so roofing manufacturers switched to fiberglass. They solved one problem but created another. This algae can be prevented from growing on roofs by using Roof-Guard with \* **Bio-Guard copper additive**. **Even your new roof is being degraded by the UV Damage. This is where Roof-Guard will PROTECT.**

## WARRANTY

Enviroseal Corporation stands behind our 100% no nonsense warranty on your Roof-Guard treatment for **(5) five years against algae and loss of Granular protection.**

## COVERAGE RATE

The coverage rate of Roof-Guard is 125 square feet per gallon for algae and loss of Granular protection. For Florida Building Code -Miami/ Dade TAS-100A wind and rain protection as tested and approved, the coverage rate is 75 square feet per gallon. Actual application rates will vary.

## WHY SHOULD I USE ROOF-GUARD ASPHALT TREATMENT?

Roof-Guard is guaranteed to keep your roof looking **new for 5 years**. This means that annual cleaning is a thing of the past. A composition roof that is cleaned once a year with high pressure or use of harsh chemicals will suffer severe loss of granules. This granular loss will result in further destruction by UV rays as the UV can destroy the asphalt in the shingles. The UV damage causes the asphalt to become brittle and will break or tear off in a severe wind storm. In a hurricane the damage is far worse with the added damage from water and flying objects. Roof-Guard will **armor plate your roof**.



Six year old roof with algae  
this photo was taken in Spring of 1999



This is the same roof after it was sealed  
with Roof-Guard and the  
2004 hurricanes



Prior to the application of Roof-Guard this  
roof was thoroughly cleaned.



Roof-Guard being applied in  
05-17-2000 March of 1999 after the cleaning



This is a test section of our Factory where  
Roof-Guard was applied in April 1999. This  
photo was taken in June of 2004

On April 27th, 2005 Roof-Guard  
passed Florida Building Code  
hurricane and rain testing by  
an ASTM testing laboratory.  
Test results are available upon  
request. We suggest this product  
be applied by a certified installer..

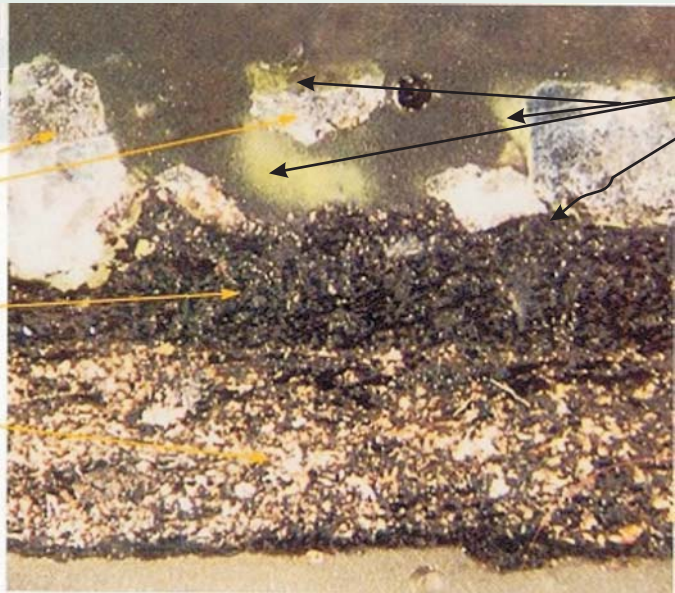
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Roof-Guard 101 has Passed 110 mph Hurricane Testing

### Cross Section of Weathered Shingle

Granules  
Weathered asphalt  
Weathered felt or fiberglass

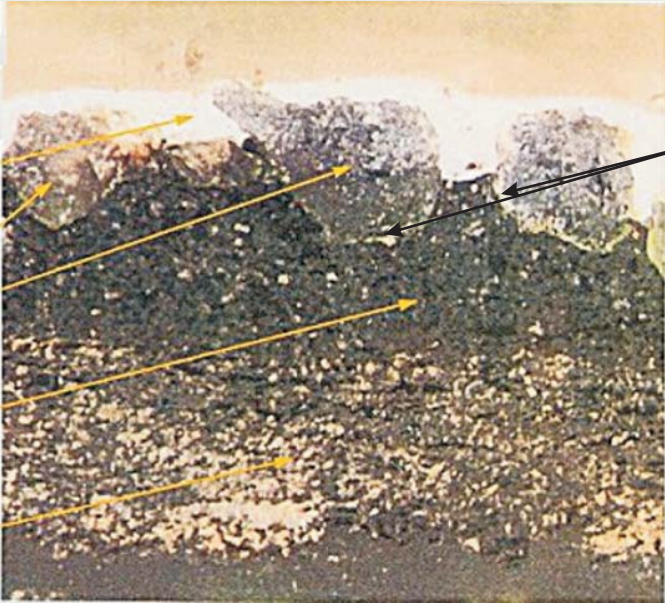


Gloeocapsa Magma algae destroying the lime fillers present in fiberglass shingles

## THE EFFECTS OF ASPHALT SHINGLE WEATHERING DUE TO ULTRA VIOLET RAYS AND ALGAE

### Cross section of Sealed Asphalt Shingle

Roof Guard 101 sealer after 3 year exposure  
Granules  
Asphalt  
Asphalt impregnated felt or fiberglass



Roof-Guard 101 actually penetrates and surrounds the granules thus locking them to the substrate

