



RG-51 Aluminum Roof Coating

Product Description

Roof Guardian Technologies (RGT) RG-51 Aluminum Roof Coating is a high quality fibered aluminum reflective coating manufactured from the finest aluminum leafing pigments, quality refined asphalt, and polyethylene fibers. The formulation provides excellent suspension and maximum reflectivity. RG-51 Aluminum Roof Coating meets the composition requirements of ASTM D2824.

Basic Use

RGT Aluminum Roof Coating provides a highly reflective weatherproofing barrier over most types of surfaces including metal, smooth built-up, and modified bitumen roofs.

Limitations

Apply at temperatures over 50°F (10°C). Do not apply when rain is forecast. Allow 4 – 6 hours before exposing coating to rain, heavy dew or temperatures below 50°F. **KEEP FROM FREEZING**

Technical Data

Vehicle Base.....	Asphalt
Weight per gallon	9.2 lbs.
Solids by weight	62 ± 2%
Solids by volume	45 ± 2%
Aluminum paste content	15%
Viscosity @ 77°F (25°C).....	120 ± 5KU
1000 Hrs Accelerated weathering	No cracking or checking
Dry film thickness.....	7.2 mils
(@ 1 gal./100sq.ft.(.4075 L/sq.m)less surface absorption)	
Dry Time	
Sets to touch.....	4 - 6 hours
Recoat.....	3 – 5 days
Specific gravity.....	1.11
Reflectivity	63%
Therm. Emit	45%
VOC	< 425 ± 10 g/l
Flash Point	(open cup) 100°F Min. (37°C)
Solvent	Mineral Spirits
Clean Up.....	Mineral Spirits

Surface Preparation

All surfaces must be power washed to remove all dirt, loose paint and rust, excessive chalk, and other foreign matter, which could prevent proper adhesion. All surfaces must be completely dry prior to coating.

IMPORTANT: Where ponding water conditions persist beyond 48 hours, roof drains or other corrective measures must be installed to eliminate water build-up prior to coating the roof.

For the following substrates refer to system specification for detailed application procedures.

Metal Roofs: Remove all loose rust and prime areas where existing rust was cleaned using RG-100 Rust Inhibiting Primer. Replace loose and/or missing fasteners. Repair defective seams, small holes, flashings around roof curbs and skylights with UT-40 Universal Tape® or RG-110 Flashing Compound. Stacks and areas behind penetrations where water may stand must be sealed with a polyether sealant such as GreatSeal PE-150.

NOTE: New metal roofs contain residual oils from the manufacturing process of the panels. Allow the roof to weather six months before coating. Otherwise, etch panels using a mild acid solution or use an industrial degreaser such as Simple Green®.

Built-Up/Modified Bitumen: Repair torn flashings, parapet walls, large blisters and surface breaks. Dried out smooth asphalt roof surfaces must be primed using RG-11 Asphalt Primer. **Note:** New asphalt or newly installed modified bitumen roofs should weather 30 – 90 days prior to application of RG-51.

Application

Although formulated for a minimum of settling, RG-51 must be power mixed before and during application. DO NOT THIN. RG-51 may be applied with soft brush, roller or heavy-duty spray equipment. Spray equipment (recommended air pressure of 2,000 @ the tip. Tip size of .43 -.55 and hose size between 1/2" – 3/8") is recommended for metal roofs.

Coverage

Metal.....2.0 gal./100 sq.ft.
Modified Bitumen2.25 gal./100 sq.ft.
Built-Up..... 2.5 gal./100 sq.ft.

Note: Coverage may vary depending on the actual condition of the surface. The coverage rates shown are intended as minimum application recommendations. Over corrugated and irregular metal surfaces, allow for additional surface area by multiplying total square feet by 1.15.

Maintenance

It is recommended that the coating installation be checked on a regular maintenance schedule. Small area touch ups can be made at any time following recommended application procedures.

Technical Services

Technical advice on use of material for specific application and end use requirements is

available from the manufacturer. Material Safety Data Sheet (MSDS) should be consulted for further information. This product is for industrial and professional use only.

Packaging

55 gallon drums (208.2 liters)
5 gallon pails (18.9 liters)

Warranty

This product is manufactured of good materials and by competent workmen. Seller's and manufacturer's only obligations shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use; and user assumes all risk and liability.

ROOF GUARDIAN TECHNOLOGIES, INC.
by STS Coatings, Inc.
347 Hwy 289, Comfort, TX 78013
(830)995-5177 phone (830)995-5705 fax
WWW.ROOFGUARDIANTECH.COM
A CERTIFIED TEXAS HUB MANUFACTURER