

# RG-180 FIBERED WHITE ELASTOMERIC COATING

## Product Description

RG-180 Fibered White Elastomeric Coating is formulated using an Acrylic Polymer base that provides outstanding adhesion and superior reflectivity. The bright white finish reduces surface temperatures thereby minimizing thermal expansion and contraction. Under-the-roof temperatures are also reduced, lowering energy costs. Formulated to resist cracking and peeling, RG-180 Elastomeric provides excellent waterproofing capabilities and long-term mildew resistance.

RG-180 has earned the ENERGY STAR®, is Cool Roof® rated, and now has 3 year weathering test results.

Initial Solar Reflectance	Solar Reflectance after 3 year weathering	Initial Thermal Emittance	Thermal Emittance after 3 year
.86	.74	.89	.91

## Basic Use

RG-180 White Elastomeric Finish Coat will provide a highly elastic, weatherproofing barrier over metal (including aged galvanized and pre-painted metals), concrete, single-ply, modified bitumen, granular cap sheets and other approved surfaces.

## Limitations

Do not apply below 50°F (10°C) or when rain is forecast. Applications during periods of low temperature or high humidity will extend dry time. Allow 4 – 6 hours for coating to dry prior to being subjected to rain, heavy dew or temperatures below 50°F. **KEEP FROM FREEZING**

## Technical Data

Vehicle Base	100% Acrylic Resin
Weight per gallon	11.7 lbs
Solids by weight (ASTM 1644)	67.8%
Solids by volume	52 +/- 2%
Recycled content	28.5%
Viscosity ASTM D 562	>140 KU
Permeance ASTM D 1653 A	18.4 perms
pH	8.5 +/- .05
Specific gravity	1.41
Flash Point	None
VOC	< 50 g/l

Reflectivity	86%
Thermal Emittance	89%
Elongation/Tensile @ 73°F ASTM D 2370	
Initial Elongation	187%
Initial tensil strength	288 psi
1000 Hrs. Accelerated Weathering	
Elongation	112%      no cracking      or checking
Solvent	water
Clean up	Warm soapy water
Dry film thickness (@ 1 gal. /100 sq. ft./gal. less surface absorption)	8.3 mils
Dry Time - sets to touch	1 hour
Between coats	24 hr min.

## 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 silicone-based products must be removed. **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 the applicable System Specifications 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 modified to shed water.

**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®.

On Kynar® metal roofs, RG-400 Universal Bonding Primer is **required**. See RG-400 technical data sheet for details.

## Single-Ply:

## RG-180 FIBERED WHITE ELASTOMERIC COATING

Hypalon - refer to system specification and RG-400 Universal Bonding Primer for detailed application procedures.

EPDM - refer to system specification, RG-500 BOND-IT Wash Primer and RG-400 Universal Bonding Primer for detailed application procedures.

**Modified Bitumen:** Power wash entire surface. Repair any blisters, open seams, splits, and flashings with RG-110 Flashing Compound or UT-40 Universal Tape®.

Must be primed with RG-300 prior to applying finish coating. See system specification for details and application rates.

**Concrete:** Powerwash the entire surface. Repair cracks and any weakened section of concrete using RG-110 Flashing Compound or UT-40 Universal Tape®. coat complete area using RG-130 Grey Elastomeric Base Coat. See system specification for application rates.

### Application

Apply with a soft brush (avoid excessive brushing), roller or airless spray. If using airless spray equipment, recommended air pressure of 2,700 to 3000 at the tip and must be able to handle high viscosity liquids. Tip size of .47 and hose size 3/4" to 1/2". Elastomeric is to be applied in two coats, a light gray base coat with the white finish coat being applied 24 hours after the initial application. This product has excellent suspension and requires minimal stirring. If the roof is hot, spray a water mist to prevent the coating from drying too fast. May be applied over hand damp, not wet to the touch, surfaces. **DO NOT THIN.**

### Coverage Rates

**See specification for roof surface for application rates.** 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.

### Warranties

Five year material warranty available on all surfaces.

### Metal

Five, Ten and Fifteen year warranties available for Material and Labor with warranty fees.

### Single Ply

Five and Ten year warranties available.

### Modified Bitumen

Five and Ten year warranties available.

### Polyurethane Foam

Five and Ten year warranties available.

### Concrete

Five and Ten year warranties available.

### 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

347 Hwy 289, Comfort, TX 78013

(830)995-5177 phone (830)995-5705 fax

[WWW.STSCOATINGS.COM](http://WWW.STSCOATINGS.COM)

A CERTIFIED TEXAS HUB MANUFACTURER

