



# Surface Seal SB Roof Coating

Product Data Sheet | Formerly TOPCOAT® Surface Seal SB

## BASIC USES & ADVANTAGES

United Coatings™ Surface Seal SB Roof Coating is a liquid-applied seamless sealant membrane used in the retrofit of most commercial roof surfaces. United Coatings™ Surface Seal SB Roof Coating is designed to protect and restore aged modified bitumen, BUR, metal, wood, concrete, and EPDM roof surfaces, and to increase a roof's reflectivity.

### Advantages

- ENERGY STAR® qualified reflectivity can dramatically decrease building temperatures (white only)
- Highly reflective and listed by the Cool Roof

Rating Council for solar reflectance and thermal emittance (white only)

- Ideal for modified bitumen, BUR, metal, wood, concrete, and EPDM
- Designed to be applied at temperatures as low as 32°F
- Strong; forms a flexible seal that will not become brittle
- Flexible; will expand and contract with roof
- Enhances the adhesion of GAF Liberty™ and Freedom™ Self-Adhering Membranes. Great for use in high wall flashings.

## PRODUCT DESCRIPTION

United Coatings™ Surface Seal SB Roof Coating is a solvent-based, sprayable thermoplastic rubber coating, which cures to form a seamless rubber membrane. It is highly reflective, provides extra protection, and is highly flexible to accommodate temperature-related expansion and contraction of the roof system. Surface Seal SB (white only) is an ENERGY STAR® qualified reflective product that will help to reduce building temperatures. Surface Seal SB (white only) is listed by the Cool Roof Rating Council for solar reflectance and thermal emittance. Available in white and custom colors. Ideal for application on most commercial roofs in temperatures as low as 32°F, providing product is stored at room temperature prior to installation.

## WARRANTY

See applicable warranties and guarantees for complete coverage and restrictions.

## PACKAGING & SHELF LIFE

- 5 gallon (18.9 liter) pail
- 54 gallon (204 liter) drum

Shelf life 12 months if unopened containers stored between 50°F and 80°F. Protect from freezing.

## PHYSICAL PROPERTIES

SURFACE SEAL SB ROOF COATING	
Application Rate	1.0 to 1.75 gallons/100 ft² per coat
Application Method	Airless sprayer, roller, or brush
Application Temp (air, surface)	32° - 120°F
Drying Time (75°F, 50% RH)	Approximately 24 hours per coat
Wet Mil Thickness	(1.0 Gallon/100SF) – 16 wet mils
Dry Mil Thickness	(1.0 Gallon/100SF) – 8 wet mils
Total Solids (by weight)	64% ± 3%
Total Solids (by volume)	50% ± 2%

Specific Gravity:	1.20 ± 0.09
Weight per Gallon:	10.1 ± 0.5 lbs.
Viscosity (75°F)	11,000 ± 2,000 cps
Tensile Strength	565 psi ± 10%
Elongation	650%
Reflectivity	0.84 initial, 0.59 aged (white only)
Emissivity	0.90 initial, 0.67 aged (white only)
SRI	106 initial, 71 aged (white only)



## APPLICATION INSTRUCTIONS

**SUBSTRATE PREPARATION:** Roof must have positive drainage with no moisture trapped in the roof membrane. For non-metal roofs, GAF requires a moisture scan be performed by an independent source prior to issuance of a GAF guarantee. Roof substrate must be clean, completely dry, and free from any foreign matter. Pressure wash to remove all dust and debris, and allow to dry. Examine substrate to receive new roofing and conduct test patches to verify adhesion of coating prior to start of work. Check for any damaged roof membranes, including all flashings and penetrations, and repair as needed.

**MIXING:** Surface Seal SB Roof Coating is a ready-to-use material; however, some settling of material may have occurred during shipment and storage. Mix prior to use with a ¾ horsepower or larger mixer with a blade capable of uniformly mixing the entire container. For 5-gallon (19 liter) pails, use 3" (76 mm) minimum diameter mixing blades. For 55-gallon (208 liter) drums, use 6" (151 mm) minimum diameter mixing blades.

**APPLICATION:** Apply when temperatures are above 45°F (5.5°C). Apply product with a roller, roofing brush, or sprayer, covering the surface at an even rate. For spray application, use an airless spray pump with a minimum 2 gallons-per-minute (7.6 L/min) output and a minimum 3,000 psi (20,685 kPa) pressure capability. Use a reversible, self-cleaning tip with an orifice size of .033" (.84 mm). Allow each coat to fully dry before applying next coat. Each coat shall be applied in a direction perpendicular to the previous coat. Apply at a rate of 1.0 – 1.75 gal/100 sq. ft. (3.8 – 6.6 liter/9.3 m2) per coat. Total gallons (liters) per square depends on roof surface and specifications. Granular and coarse surfaces will require more coating than smooth surfaces to achieve desired dry mil thickness.

For proper installation, substrate must have positive drainage (i.e., shall not pond water for a period longer than 48 hours). Surface must be free of ponding water, ice, snow, and debris prior to application. Do not apply at temperatures below 32°F. Substrate temperatures must be below

GAF Liquid-Applied

January 2016, superseding April 2016



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## APPLICATION INSTRUCTIONS, CONT'D.

120°F when applying product.

For Application Questions: Contact GAF Technical Services at 1-800-766-3411 or visit [gaf.com](http://gaf.com).

Applicable Standards: ASTM D412, ASTM B117, ASTM

C794, ASTM G21, FTMS 141.6271, ASTM D2196, ASTM D1475, ASTM E1644

Note: Repair leaks promptly to avoid adverse effects, including mold growth.

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## LIMITATIONS & PRECAUTIONS

Store in well-ventilated area at 50°F to 80°F. Protect from freezing.

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## SAFETY & HANDLING

For specific information regarding safe handling of this material please refer to OSHA guidelines and product Safety Data Sheet (SDS).

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## CLEAN UP

Clean-Up: Mineral spirits

### GAF

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[gaf.com](http://gaf.com)