

# Acrylic Roof Coating CG

## TECHNICAL PRODUCT INFORMATION



Storm Breaker Acrylic Roof Coating CG (contractor grade) is a budget friendly, single part acrylic elastomeric roof coating, uniquely formulated for the protection of a wide variety of roofing substrates. The proprietary formulation produces a seamless, flexible, and durable membrane with exceptional weatherability and UV resistance to extend the life of new and existing roof systems.

### FEATURES & BENEFITS

Storm Breaker Acrylic Roof Coating CG also provides the following features and benefits:

- Compatible with the following substrates: metal, concrete, TPO, PVC, and EPDM single ply membranes, granule- or smooth-surface modified bitumen, asphalt built-up roofs (BUR), existing acrylic or silicone coatings (if well-adhered), and sprayed polyurethane foam (SPF)
- Bright white pigment promotes energy efficiency and reflectance values to meet the most stringent code requirements

### PACKAGING

Packaging: 5-gallon pails and 50-gallon drums

Quantity per pallet: 36 5-gal pails, 4 50-gal drums

Pallets per truckload (typical): 18

Colors: White

### APPLICATION

The surface to be coated must be clean, dry, and sound, as well as free of dirt, moisture, oils, algae, or other contaminants that may interfere with proper adhesion. Carefully remove any loose material from the surface with a wire brush or scraper. Grease and oil should also be removed with environmentally safe solvents or an appropriate cleaner. In most cases, a high-pressure water blast will be sufficient to prepare the surface. With all coatings, proper preparation is key to yielding optimal results. BITEC always recommends adhesion testing prior to starting any roof coating jobs.

***Product application should be suspended immediately and our technical service personnel contacted if the results being obtained are less than desirable.***

Do not apply Storm Breaker Acrylic Roof Coating CG at temperatures below 50°F (10°C). Do not apply Acrylic Roof Coating CG over wet substrates or when inclement weather is imminent. For best results, avoid applying Acrylic Roof Coating CG to metal areas with visible oxidation or areas with existing caulking. These areas may require special cleaning or primers prior to application of this product.

Ensure that the roof has positive drainage prior to application of Storm Breaker Acrylic Roof Coating CG. This product is not intended for use in areas where standing or ponding water

occurs.

For best results, the temperature of the ambient air and the substrate should be within a range of 50° - 90°F (10° - 32.2°C). In average conditions, the cure time is between 1 to 4 hours and the re-coating window is at least 6 hours. For applications in direct sunlight or in higher temperatures, expect shorter cure times.

Apply Storm Breaker Acrylic Roof Coating CG at the rate of 1.5 gallons per 100 ft<sup>2</sup> to achieve approximately 24 wet mils. Apply thin layers in multiple passes to achieve the intended dry film thickness (DFT). Applying layers of coating at heavier rates to increase labor production is not recommended and may interfere with the proper curing of the coating. Use of thinner with Acrylic Roof Coating CG is not approved.

Storm Breaker Acrylic Roof Coating CG can be applied by medium nap rollers, soft brushes, or high pressure airless spray equipment. For airless spray application, BITEC recommends equipment capable of 2,000 to 3,000 psi.

Please refer to the BITEC Storm Breaker Products Installer's Guide for detailed application guidelines.

**As with any roofing project, good roofing practices should always be followed.**

### STORAGE & HANDLING

Store materials locked up and in a well-ventilated, dry, and temperature conditioned location. Keep containers tightly closed to avoid contamination. Storm Breaker Acrylic Roof Coating CG is a water-based material which will freeze and become unstable at temperatures below 32°F (0°C). Always protect from freezing during shipment and while in storage. Do not store materials below 45°F (7.2°C). When stored in the original, unopened container between 45°F (7.2°C) and 90°F (32.2°C), the recommended shelf life is 12 months from the date of manufacture.

### PRECAUTIONS

Always follow best practices when deciding if the current weather conditions are conducive to a successful installation. Avoid breathing vapors or mist and prevent contact with eyes, skin, or clothing.

Safety first! Read all label information, SDS, and precautions before using. For safety information on our products, please visit [www.bitec.com](http://www.bitec.com).

Technical Schedule	
Yield per Gallon (100 ft <sup>2</sup> )	8 dry mils
Viscosity (KU)	100-115
Solids by Volume (ASTM D2697)	50% +/- 2%
Solids by Weight (ASTM D1644)	65% +/- 2%
Elongation (ASTM D2370)	250% +/- 25%
Tensile Strength (ASTM D2370)	250 +/- 50 psi
Tear Strength (ASTM D624)	87 lbf / in
Permeance (ASTM D1653)	14 +/- 2 perms
Water Swell (ASTM D471)	11 +/- 1
VOC	<50 g / L
Density (ASTM D1475)	11.95 +/- 0.20
Fungi Resistance (ASTM G21)	Pass
Accelerated Weathering (ASTM 4798)	Pass
Adhesion (ASTM D903)	Pass
Low Temperature Flexibility (ASTM D522)	Pass
Solar Reflectance	0.83
Thermal Emittance	0.90
Solar Reflectance Index (SRI)	105

*All information is given in good faith but normal tolerances of manufacture and testing will apply. BITEC reserves the right to improve and change its products at any time without prior notice or advice. The use of BITEC products is determined by local conditions and individual requirements of each contract. In consideration of the many factors involved, BITEC cannot be held responsible for the application of its products and for conditions beyond its control. All claims filed against BITEC warranties will be subject to the provisions set forth at the date of the warranty issuance, and any addendum thereto. Under no circumstances will BITEC be held liable for any damage, whether personal injury or property damage, which occur during or after the application of any BITEC products.*

