

Urethane Roof Coating

TECHNICAL PRODUCT INFORMATION



Storm Breaker™ Urethane Roof Coating is an Energy Star® qualified, single component, bright white polyurethane coating designed for low slope roof restoration projects. With excellent color retention and durability, Urethane Roof Coating is exceptionally user friendly and requires minimal setup. It also functions well as a repair material for maintenance applications on existing urethane roofs, as well as single ply and modified bitumen systems.

FEATURES & BENEFITS

Storm Breaker Urethane Roof Coating 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)
- Creates an Energy Star rated reflective layer over existing roof systems
- Uniquely formulated for excellent resistance to many acids and oils

PACKAGING

Packaging: 5-gallon pails and 55-gallon drums

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

Pallets per truckload (typical): 18

Colors: White and gray

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.

Storm Breaker Urethane Roof Coating application must be restricted when the ambient temperature is not at least 50°F (10°C) and rising or when the overnight temperature drops below 40°F (4.4°C). Restrict coating application when the ambient temperature is above 95°F (35°C). The roof surface must be at least 6°F above the dew point and rising.

Storm Breaker Urethane Roof Coating may be applied by medium nap rollers, soft brushes, or conventional airless spray equipment. Any necessary repairs, such as removal of wet

or damaged roofing or insulation, should be performed first and allowed to fully cure prior to application of Urethane Roof Coating.

As a general guideline, apply Storm Breaker Urethane Roof Coating at the rate of 1.25 gallons per 100 ft² per coat. Successive and/or top coats MUST be applied to the base or intermediate coats within 48 hours to ensure proper adhesion.

Depending on the chosen roof restoration system, full surface reinforcement or partial reinforcement of seams, laps, and details may be required. Especially in situations where the roof is heavily alligatored, holding ponding water, or otherwise irregular, Storm Breaker Reinforcement Fabric is recommended.

At 77°F (25°C) and assuming 50% relative humidity, typical dry to touch time is about 6 hours. Overcoat time is approximately 10 hours. Higher temperature and/or humidity will result in reduced skin and overcoat times while lower temperature and/or humidity may extend skin and overcoat times.

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. When stored in the original, unopened container between 60°F (15.6°C) and 80°F (26.7°C), Storm Breaker Urethane Roof Coating has a recommended shelf life of 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 of vapors or mist and prevent contact with eyes, skin, or clothing.

Storm Breaker Urethane Roof Coating is NOT permitted for sale or use in the state of California.

Safety first! Read all label information, SDS, and precautions before using. For safety information on our products, please visit www.bitec.com.

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Technical Schedule	
Color	White, gray
Shelf Life	12 months
Viscosity (20 RPM Brookfield RVT, 64 Spindle)	11,600 cP - 14,500 cP @ 77°F (25°C)
Elongation	325%
Tensile Strength (with reinforcement)	1400-1600 psi
Tear Resistance (ASTM D 624)	230 lbs/in
Flash Point (ASTM D 93)	120°F (48.8°C)
Density (ASTM D 1475)	11.2 lbs/gal at 77°F (25°C)
Non-Volatile (ASTM D 4209)	Typical 83%
VOC	<240 g/L
Reflectance	0.81
Emittance	0.88
SRI	101

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