

TECHNICAL PRODUCT INFORMATION

Storm Breaker Urethane Low VOC Roof Coating is an Energy Star® qualified, single component, bright white polyurethane, low VOC coating designed for low slope roof restoration projects. With excellent color retention and durability, Urethane Low VOC 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. Urethane Low VOC Roof Coating is VOC compliant in the South Coast AQMD.

FEATURES & BENEFITS

Storm Breaker Urethane Low VOC Roof Coating can be applied to many types of roofing systems, including, but not limited to the following:

- Single ply (EPDM, TPO, and PVC)
- Aged modified bitumen
- Aged spray polyurethane foam roof systems

PACKAGING

Storm Breaker Urethane Low VOC Roof Coating is available as a white coating, packaged in 5-gallon pails (36 pails / pallet).

STORAGE & HANDLING

Store locked up, with containers tightly closed, and in a well-ventilated and dry location at temperatures between 60°F (15.6°C) and 80°F (26.7°C). When stored properly in the original, unopened container, Storm Breaker Urethane Low VOC Roof Coating has a recommended shelf life of 12 months from the date of manufacture.

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 good 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 the 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 Low VOC 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 Low VOC 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 Low VOC Roof Coating. The existing roof must first be power washed with at least 2,000 psi pressure to remove debris or loose materials from the existing roof. Rinse at least 2 times to ensure all cleansers and contaminants are gone.

As a general guideline, apply Storm Breaker Urethane Low VOC 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, 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.

PRECAUTIONS

Always follow good roofing practices when deciding if the current weather conditions are conducive to a good installation. Avoid moisture contamination in sealed containers. Plan product application for time periods when there is no rain, fog, or heavy dew in a 24 hour time frame. It is to your advantage to perform a moisture survey prior to application of any coatings. Wet areas **MUST** be removed and replaced then permitted to fully cure prior to the application of any coatings.

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

Technical Schedule	
Flash Point (ASTM D 93)	110°F (43.3°C)
Shelf Life	12 months
Viscosity (10 RPM Brookfield RVT, #4 Spindle)	9200 cP @ 77°F (25°C)
Elongation	320%
Tensile Strength (ASTM D 412)	2100 psi
Tear Resistance (ASTM D 624)	400 lbs / in
Low Temperature Flexibility (ASTM D 5222)	-35°F (-37.2°C) min
Density (ASTM D 2939)	10.4 lb / gal at 77°F (25°C)
Non-Volatile (ASTM D 2369)	Typical 83%
VOC	50 g / L
Initial / Aged Reflectance	0.83 / 0.73
Initial / Aged Emittance	0.89 / 0.87
Initial / Aged SRI	104 / 89

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