

SILVER COAT PROTECTION

TECHNICAL DATA SHEET | Non-Fibered Aluminum Roof Coating

Product description & uses

A silver/aluminum, non-fibered reflective roof coating for sound built-up roofing, granular roof surfaces and metal roofing. It reflects sunlight, helps protect underlying roofing materials and aids in inhibiting rust on metal surfaces. Also used as a protective coating over Turbo Poly Seal under the separate Bergstrom application guidance below.

General roof preparation

Provide proper drainage. Surfaces must be sound, clean, dry and free of surface rust and foreign matter. Repair leaks and damaged areas before coating. Where priming is needed, use a compatible system and follow its cure requirements. The source system specifies 48 hours before finish coating over its recommended primers; this interval does not apply to every primer.

General weathering requirement: Allow new roof systems and solvent-based products to weather for 30-90 days, depending on the application. See the separate Turbo Poly Seal instruction below for Bergstrom's product-specific field practice.

Weather & application

Do not apply if rain is expected within 36 hours. Apply outdoors on a clear, warm, sunny day, preferably in the morning. Temperatures must be above 50°F and rising, remain above 50°F for 24 hours, and not exceed 110°F during application.

Stir thoroughly before and during use to redistribute settled aluminum pigment. Apply evenly with a brush, roller or professional airless sprayer. Spread in both directions with overlapping strokes, then finish strokes in the same direction. Avoid puddling, excessive buildup and scraping into the existing roof. Match container batch codes where possible to minimize shade differences.

Over Turbo Poly Seal

Bergstrom Industries field-tested guidance: Silver Coat Protection may be applied while Turbo Poly Seal is still wet, within 10 minutes of application, based on repeated field testing reported by Bergstrom Industries.

This instruction is specific to Turbo Poly Seal. It differs from the source manufacturer's general 30-90-day weathering instruction and is not a manufacturer-validated wet-on-wet specification. The field testing does not establish a separate coverage rate or full-cure time for the combined system.

Limitations

Not recommended for direct application to shingles, tile, EPDM, TPO or other single-ply membranes. Standing water can dull the aluminum finish and cause adhesion failure. On steep slopes, warm weather can cause running before the coating dries. Avoid foot traffic after application.

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TECHNICAL DATA SHEET | Coverage, Properties & Handling

Coverage & typical properties

Property	Typical value / instruction
Coverage	0.75-1.0 gallon per 100 sq. ft. (about 100-133 sq. ft. per gallon), depending on surface texture.
Weight per gallon	8.0 lb.
Reflectivity (ASTM C-523)	65% minimum
Solvent	Mineral spirits
Cure time*	4-8 hours
Full cure*	24-48 hours
Application temperature	Above 50°F and rising; maximum 110°F. Maintain above 50°F for 24 hours.
Flash point	105°F
VOC	Less than 450 g/L (regulatory)
Airless spray settings	1,000-1,500 PSI; 0.040-0.055 in. tip; 1.5-2.0 GPM

*Source values measured at 70°F and 50% relative humidity. These are coating values, not verified cure times for Silver Coat Protection applied over wet Turbo Poly Seal.

Cleanup & cold-weather conditioning

Clean tools with paint thinner or mineral spirits. In cold weather, condition the product in a room at 65-80°F for at least 24 hours before application. Follow the SDS and container label for storage and safe handling.

Safety information

For exterior use only. Wear protective clothing, gloves and eye protection. Read the Safety Data Sheet and container label before use for hazards, required protective equipment and handling instructions. This TDS does not replace the SDS.

Technical basis

General values and instructions are adapted from the supplied non-fibered aluminum roof coating technical sheet, revision C25. Its application text specifies a 110°F maximum, while its property table lists 120°F; this sheet uses the more restrictive 110°F limit. Turbo Poly Seal wet-on-wet guidance is supplied by Bergstrom Industries separately.

Product support

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