

• TRUSTED QUALITY SINCE 1921 •



670 FIBERED ALUMINUM COMMERCIAL GRADE ROOF COATING

DESCRIPTION AND USES

Rust-Oleum® 670 Fibered Aluminum Roof Coating is a metallic pigmented coating used for rust-proofing and weatherproofing metal roofs and sidewalls, and as a reflective coating for built-up roofing (BUR) and modified bitumen roof systems. 670 Fibered Aluminum Roof Coating reflects heat, prevents corrosion, and protects against mild acid and alkali fumes on a variety of substrates, including metal, transite, built-up roofing, modified bitumen and previously coated fibered aluminum roofs. This reflective coating protects low and steep slope roofs from harmful UV damage while supporting overall energy efficiency.

PRODUCT FEATURES

- Bonds to tight rust with no primer needed
- 11.4% metallic flake content creates an energy efficient reflective coating
- 63% reflectivity
- Restores metal, built-up and modified bitumens

PRODUCTS

SKU	670 FIBERED ALUMINUM ROOF COATING
359667	4.75 Gallon Pail
363231	53 Gallon Drum

COMPANION PRODUCTS

SKU	NEOPRENE RUBBER CEMENT
301823	10.1 Oz. Cartridge
345462	2.8 Gallons

SKU	FIBERGLASS ROOF FABRIC
350302	4"x300'
350303	12"x300'

SKU	WET OR DRY ROOF REPAIR
301826	10.1 Oz. Cartridge
301899	0.9 Gallon
301990	4.75 Gallon Pail

SKU	RUBBERIZED WET PATCH
301824	10.1 Oz. Cartridge
301900	0.9 Gallon
345502	3.3 Gallon Pail

SKU	BRUSH GRADE MASTIC
347433	4.75 Gallon Pail

SKU	WET ROOF REPAIR
347418	10.1 Oz. Cartridge
351237	0.9 Gallon
351250	3.3 Gallon Pail

PRODUCT APPLICATION

SURFACE PREPARATION

All surfaces must be clean and free from dirt, grease, oil, mold, algae, loose granules, loose paint, rust, excess chalk, and other foreign matter which could prevent proper adhesion. Use a high-pressure wash of at least 2,000 psi.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

Clean with Rust-Oleum One-Step Roof Prep, or other suitable cleaner to remove all grease or oily deposits. Seams should be sealed and waterproofed and roof penetrations should be flashed prior to applying the topcoat.

METAL: Rust and flaking or peeling paint shall be wire brushed, scraped or pressure washed to ensure a sound surface. No priming is necessary. Seams, fasteners, and protrusions shall be repaired as needed.

BUR/Modified Bitumen, Previously Coated Fibered Aluminum Roofs: Torn flashings, faulty copings, parapet walls, large blisters and surface breaks shall be repaired prior to application.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-Approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

MIXING INSTRUCTIONS

SHAKER: 2 three-minute cycles with a 5-gallon gyroscopic mixer.

DRILL: Use a 5-gallon jiffy mixer, taking care to incorporate all aluminum flake that accumulates at the bottom of the pail.

NOTE: Fully mixed product will have a smooth consistency and will appear silvery bronze in the pail, quickly turning to bright silver once drill stops. Avoid entraining air while mixing.

APPLICATION

Adhesion test may be required. Consult with your Rust-Oleum representative.

Do not thin or alter product. Apply only when air temperatures are between 50-110°F (10-43°C), with less than 85% humidity and surface is at least 5°F (3°C) above dew point. Material should be properly stored for use between 60-90°F. Surface temperature should be below 140°F. Mix with a power assisted mechanical mixer before use. Mix until the coating is smooth and consistent. Rust-Oleum 670 Fibered Aluminum Roof Coating can be spray, roll or brush applied. A 3/8" nap roller is recommended if rolling. Airless spray is recommended for optimal results. Best results are generally obtained @ 2,000-3,000 psi at the spray tip.

NOTE: Should a rain event occur in the first 24 hours of coating application, the product will temporarily turn bronze. It will return to silver when the rain event passes.

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PRODUCT APPLICATION (cont.)

SPRAY EQUIPMENT RECOMMENDATION

Pumps: Graco® King 45:1, Graco Bulldog 30:1 or gas-powered equivalents. Graco GH733, HydraMax 350 or GMax 7900 or other manufacturers' equivalents.

Hose/Pressure: 50'-300' length (depending on spray rig pressure). When using hoses longer than 100', use the next larger hose ID every 50'. Every 50' of hose will reduce the spray pressure of the rig by 10% at the gun tip. i.e., 300' hose - 3/4" (50'/100') to 5/8" (50'/100") to 1/2" (50'/100') to 3/8" (50').

Gun: Graco Contractor Gun, Graco Contractor FTx gun, Graco Silver Plus or equivalent. (Tip extrusions or pole guns can be used).

Tip Type: Heavy Duty RAC Switchtips (GHD-XXX) Gray.

Tip sizes are detailed below.

Fan Width (inches)	0.39	0.43	0.47	0.51	0.55	0.59
10"-12"	539	543	547	555	547	559
12"-14"	639	643	647	651	647	659
14"-16"	739	743	747	751	747	
16"-18"	839	843	847	851	847	
Flow Rate	1.60 gpm	1.98 gpm	2.37 gpm	2.79 gpm	2.37 gpm	3.74 gpm

COVERAGE

Over metal, 2 gal./100 square feet. Over corrugated and irregular metal surfaces, allow for additional surface area by multiplying length x width by 1.15 minimum.

Over smooth Built-up/Modified Bitumen Roofing, 2½ gal./100 square feet. The surface dictates the actual coverage. The mounts shown are intended as minimum application information.

PRODUCT APPLICATION (cont.)

DRY & RECOAT TIMES

Dry and recoat times are based on 70°F and 50% relative humidity. Dry times increase at cooler temperatures. Dries to the touch in 4 hours, weather resistant in 24 hours and full cure in 10-12 days. Environmental or site-specific conditions may require variations in cure times.

CLEAN-UP

Wash tools and equipment with mineral spirits. Wipe up splatters before they dry. Follow equipment manufacturer's directions to clean spray equipment. Properly dispose of all soiled rags and containers.

LIMITATIONS

The application of Rust-Oleum roof coatings assumes substrate to be coated as structurally sound and has reasonable life expectancy prior to being coated. Not for application over shingles. Do not apply when air and surface temperature is below 40°F or when rain is imminent. Not recommended for use over tar surfaces, slate, tile, wood, shingles or where water ponds. Do not apply over newly installed asphalt built-up roofs without allowing the roof to weather a minimum of 60-90 days.



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PHYSICAL PROPERTIES

		670 FIBERED ALUMINUM ROOF COATING
Resin Type		Asphaltic Fibered Aluminum
Pigment Type		Aluminum Flake
Solvents		Mineral Spirits
Weight	Per Gallon	7.5 lbs.
	Per Liter	0.90 kg
Solids	By Weight	53.0%
	By Volume	52.0%
Volatile Organic Compounds		408 g/l
Recommended Dry Film Thickness (DFT) per Coat		12.0 mils (300μ)
Wet Film to Achieve DFT (Unthinned material)		24.0 mils (600μ)
Practical Coverage at Recommended DFT (assume 15% material loss)		50 sq. ft./gal. (1.23 m ² /l) over metal 40 sq. ft. (1.0 m ² /l) over built-up modified bitumen roofing
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	4 hours
	Weather Resistant	24 hours
	Full Cure	10-12 days before final inspection can be made
Surface Temperature Limitations		Apply only at 50-140°F (10-60°C)
Shelf Life		1 year
Flash Point		106°F (41°C)
Safety Information		For additional information, see SDS

Material and Labor warranties are available. Contact your Rust-Oleum Representative for more information.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



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