



17 YEAR ELASTOMERIC ROOF COATING

DESCRIPTION AND USES

Rust-Oleum® LeakSeal® 17 Year Elastomeric Roof Coating provides a high initial reflectivity value of 85%, energy efficiency, long term durability and excellent resistance to weathering and dirt pick-up. This elastomeric roof coating is formulated to meet and/or exceed the standards established in ASTM D 6083. Rust-Oleum® LeakSeal® 17 year Elastomeric Roof Coating waterproofs and weatherproofs metal, weathered single ply membranes as well as smooth surface asphalt built-up and modified bitumen roofing substrates.

PERFORMANCE CHARACTERISTICS

- 85% energy efficient reflective coating
- Rain resistant in 2 hours
- Mildew resistant
- Low temperature flexibility to -34°C (-30°F)
- UL certified R38879 (Canada and USA)

PRODUCTS

SKU	Description
322080	Elastomeric Roof Coating – 18.9 L
322069	Elastomeric Roof Coating – 3.78 L

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. Clean with a Roof & Siding 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: Bare galvanized metal does not require a primer if there is no rust present. Surface must be clean and dry. Steel surfaces must be primed, as does rusty or corroded metal. If the metal panel is not Kynar or previously coated, the surface must be cleaned of all rust as thoroughly as possible by wire brush, power tools or power washed. The surface must be primed with a rust inhibiting primer.

APPLICATION

Apply only when air, material, and surface temperatures are between 10-38°C (50-100°F) and the relative humidity is below 85%. Mix with a power assisted mechanical mixer before use. Mix until the coating is smooth and consistent. Rust-Oleum® LeakSeal® 17 Year Elastomeric Roof Coating can be spray, roll or brush applied. A 10 mm (3/8") nap roller is recommended if rolling. Airless spray is recommended for optimum results. Good results are generally obtained @ 2,000-3,000 psi at the spray tip.

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 (GHDXXX) Gray. Tip sizes are detailed below.

Fan Width (inches)	0.35	0.37	0.39	0.41	0.43	0.45
25-30 cm 10"-12"	535	537	539	541	543	545
30-36 cm 12"-14"	635	637	639	641	643	645
36-41 cm 14"-16"	735	737	739		743	745
41-46 cm 16"-18"	835	837	839		843	
Flow Rate	1.60 gpm	1.80 gpm	1.98 gpm	2.17 gpm	2.37 gpm	2.58 gpm

COVERAGE

After detailing and priming, coverage of the **17 Year Elastomeric Coating** is 5.69 L / 9.3 m² (1.5 gal./100 ft²) for the 1st Coat and 5.69 L / 9.3 m² (1.5 gal./100 ft²) for the 2nd Coat, at 24 wet mils per coat. Over corrugated and irregular metal surfaces, allow for additional surface area by multiplying length x width by 1.15 minimum.

Weathered Single Ply: After detailing and priming with a single ply primer, apply 5.69 L / 9.3 m² (1.5 gal./100 ft²) of the 1st Coat and 5.69 L / 9.3 m² (1.5 gal./100 ft²) of the 2nd Coat, at 24 wet mils per coat.

Built-Up/Modified Bitumen: After detailing and priming with a water-base asphalt primer, apply 7.56 L / 9.3 m² (2 gal./100 ft²) of the 1st Coat and 7.56 L / 9.3 m² (2 gal./100 ft²) of the 2nd Coat, at 32 wet mils per coat. The surface dictates the actual coverage. The amounts shown are intended as minimum application information.

TECHNICAL DATA

17 YEAR ELASTOMERIC ROOF COATING

PRODUCT APPLICATION (cont.)

COVERAGE (cont.)

DRY & RECOAT TIMES

Dry and recoat times are based on 21°C (70°F) and 50% relative humidity. Dry times increase at cooler temperatures. Dries to the touch in 24 hours; allow minimum 24 hours recoat. After the first coat, allow to cure until it can support the required foot traffic based on specific job site conditions and roof slope, etc. Environmental or site specific conditions may require variations in cure times.

PRODUCT APPLICATION (cont.)

CLEAN-UP

Wash tools and equipment with soap and water immediately after use. Wipe up splatters before they dry. Follow equipment manufacturer's directions to clean spray equipment. Properly dispose of all soiled rags and containers.

LIMITATIONS

Application temperature shall be above 10°C (50°F). Protect from freezing. Not intended for use in areas subject to vehicular traffic, ponding water and over tar or silicone. Do not apply when rain is imminent.

KEEP FROM FREEZING

TECHNICAL DATA
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PHYSICAL PROPERTIES

		17 YEAR ELASTOMERIC ROOF COATING
Resin Type		Water-based Acrylic
Pigment Type		Titanium Dioxide, Zinc Oxide
Solvents		Water
Weight	Per Gallon	12.2 lbs.
	Per Liter	1.46 kg
Solids	By Weight	63.0%
	By Volume	51.0%
Volatile Organic Compounds		<10 g/l
Recommended Dry Film Thickness (DFT) Per Coat		12.0 mils (300µ) per coat (two coats required)
Wet Film to Achieve DFT (Unthinned Material)		24.0 mils (600µ) per coat (two coats required)
Practical Coverage at Recommended DFT (assumes 15% material loss)		65 sq.ft./gal. (per coat) (1.6 m ² /l)
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	2 hours
	Recoat	24 hours minimum
	Foot Traffic	24 hours
Shelf Life		1 year
Flash Point		>200°F (93°C)
Storage		KEEP FROM FREEZING
Safety Information		For additional information, see SDS

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