

• TRUSTED QUALITY SINCE 1921 •

RUST-OLEUM®**PREMIUM 880
ELASTOMERIC ROOF COATING****DESCRIPTION AND USES**

Rust-Oleum® Premium 880 Elastomeric Roof Coating is a single component, rust preventative water-based acrylic elastomeric roof coating.

This self-priming, high build roof coating is designed for use on tightly adhered rusted surfaces or clean Metal roof surfaces. It can also be used on Modified Bitumen, Concrete and Single-Ply roofing surfaces. The excellent elongation properties of 500% make it suitable for bridging small cracks. Two coats are required.

880 Elastomeric Roof Coating is suitable for over-coating previous coating systems that are in good sound condition.

PRODUCT FEATURES

- Self-priming over a sound rusted surface
- Acrylic Coatings, EPDM, weathered Single-Ply, Metal, Concrete, Built-Up, Modified Bitumen roofing and more
- 500% elongation

PRODUCTS

SKU	DESCRIPTION (Bright White Satin Finish)
359664	4.75 Gallons
363233	55 Gallon Drum
363236	250 Gallon Tote†

†Made-to-Order only. Contact Rust-Oleum Customer Service for details.

COMPANION PRODUCTS

SKU	115 Hybrid Epoxy 1k Primer (Gray)
355905	4.75 Gallon Pail
SKU	105 Single-Ply Adhesion Primer
326036	4.75 Gallon Pail
SKU	130 Urethane Acrylic Roof Primer (Green)
364544	4.75 Gallons
365241	55 Gallons
365242	275 Gallons
SKU	Elastomeric Roof Patch
301898	0.9 Gallon
SKU	Roof Patch Fabric
345646	6"x300'
345647	12"x300'
345648	40"x324'
345649	4"x300'
SKU	One Step Roof Prep
361456	1 Gallon
361455	5 Gallons

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 Rust-Oleum One Step Roof Prep, or other suitable cleaner to remove all grease or oily deposits.

Seams should be sealed and waterproofed per industry standards and roof penetrations should be flashed prior to applying the topcoat.

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.

BUR/MODIFIED BITUMEN: Torn flashings, faulty copings, parapet walls, large blisters and surface breaks shall be repaired prior to application per industry standards.

METAL: Bare galvanized metal does not require a primer if there is no rust present. Surface must be clean and dry. All metal surfaces must be cleaned to remove all contaminants like oil, grease, salts and chalking with Rust-Oleum One Step Roof Prep or comparable cleaner prior to mechanical cleaning begins per SSPC-SP1. All steel surfaces shall be clean in accordance to SSPC-SP-3 Power Tool Cleaning or by High Pressure Water Cleaning (HPWC), at not less than 5,000 psi and with a standoff distance not greater than 6 inches, to a condition of SSPC-SP WJ-4. Structurally unsound metal should be replaced.

PREVIOUSLY COATED SURFACES: Shall be repaired to be relatively free of surface imperfections. A check for loosely held, delaminating coating shall be performed as per ASTM 3359. The gloss shall be dulled by mechanical means. All previous coatings damaged by welding shall be completely removed.

Consult with your Rust-Oleum representative when coating Kynar®.

EPDM, PVC, PIB, TPO AND HYPALON: May be primed with Rust-Oleum 105 Single-Ply Adhesion Primer*.

CONCRETE: New concrete must cure 30 days before coating. Remove all loose, unsound concrete. Remove laitance and create a surface profile by either acid etching or by grinding. The concrete must be fully dry prior to coating application. If etching, the concrete should have a texture, which resembles fine grit sandpaper. Repeat the process if necessary. Surface sealers and curing agents must be removed by grinding. The concrete should be dry and dust free prior to application.

* See primer labels and technical data sheet for correct surface preparation and application procedures.

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RUST-OLEUM®**PREMIUM 880
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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 the dew point. Material should be properly stored for use between 60-90°F. Surface temperature should be below 130°F. The published recoat time may be extended when the relative humidity is greater than 70%. A minimum of two coats are required for a total minimum dry film thickness of 16 mils, (400µ).

DO NOT TINT

NOTE: When coating concrete, prime with 880 Elastomeric Roof Coating thinned 15-20% with fresh water. Apply a tack coat 2.5-3.5 wet mils. Allow tack coat to dry 1-1.5 hours before application of 2 full coats.

EQUIPMENT RECOMMENDATIONS

BRUSH/ROLLER: Touch up and spot priming only. Use a good quality synthetic bristle brush/ synthetic nap roller cover.

AIR-ATOMIZED SPRAY: Not Recommended

AIRLESS SPRAY:

Fluid Pressure	Fluid Tip	Filter Mesh
2,500 psi (min)	0.017-0.021	60

COVERAGE

METAL: May require priming with Rust-Oleum 115 Hybrid Epoxy 1K Primer. 115 Hybrid Epoxy 1K Primer applies at 225-380 square feet per gallon. After priming, apply 2 coats of Premium 880 Elastomeric Roof Coating. Apply 1 gal./100 square feet for the 1st coat and 1 gal./100 square feet for the 2nd coat at 16 wet mils per coat. Over corrugated and irregular metal surfaces, allow for additional surface area by multiplying length x width by 1.15 minimum. **NOTE:** Heavily rusted areas should be primed with Rust-Oleum 115 Hybrid Epoxy 1K Primer. Please contact your Rust-Oleum Representative for more information.

WEATHERED SINGLE-PLY: Prime with Rust-Oleum 105 Single-Ply Adhesion Primer. 105 Single-Ply Adhesion Primer applies 300-400 square feet per gallon. After priming, apply 2 coats of Premium 880 Elastomeric Roof Coating. Apply 1.5 gal./100 square feet for the 1st coat and 1.5 gal./100 square feet for the 2nd coat at 24 wet mils per coat.

BUILT-UP/MODIFIED BITUMEN: Prime with Rust-Oleum 130 Urethane Acrylic Roof Primer. 130 Urethane Acrylic Roof Primer applies at square 75-125 feet per gallon. After priming, apply 2 coats of Premium 880 Elastomeric Roof Coating. Apply 1 gal./100 square feet for the 1st coat and 1 gal./100 square feet for the 2nd coat at 16 wet mils per coat. The surface dictates the actual coverage. The amounts shown are intended as minimum application information.

THINNING

Normally not required. Thin 20% with clean fresh water when using as a prime coat on non-porous or smooth concrete or metal surfaces.

PRODUCT APPLICATION (cont.)**CLEAN-UP**

Water. Use Krud Kutter Original Cleaner Degreaser or soap and water if material begins to dry.

PERFORMANCE CHARACTERISTICS**SYSTEM TESTED:**

Premium 880 Elastomeric Roof Coating
Application rate: Gal./SQ. - 0.40
WFT- 30.0, DFT- 22.0

INITIAL ELONGATION @ 73°F

Method: ASTM D2370, Criteria: ≥100
Result: 514%, Pass

INITIAL TENSILE STRENGTH PSI @ 73°F

Method: ASTM D2370, Criteria: ≥ 200
Result: 350 psi, Pass

PERMEANCE

Method: ASTM D1653, E96 (B), Criteria: ≤ 50
Result: 0.8 perms, Pass

WATER SWELLING

Method: ASTM D471, Criteria: ≤ 20
Result: 17%, Pass

FUNGI RESISTANCE

Method: ASTM D6083 G21, Criteria: 0 rating
Result: 0 rating, Pass

TEAR RESISTANCE

Method: ASTM D624, Criteria: ≥ 60
Result: 137 lbf/in., Pass

POST ACCELERATED WEATHERING (1,000 HOURS)

Method: ASTM D4798, D2370, Criteria: ≥100
Results: Visual - No cracking or checking, Pass
Final Elongation - 681, Pass

ADHESION

Method: ASTM D6083, Criteria: ≥ 2.0

Substrates/Results:

Acrylic elastomeric coating - 2.1
Smooth BUR - 2.4
Granular SBS - 4.0
Galvanized steel - 5.9
Rusty metal - 2.1
Aluminum - 2.4
Kynar coated metal - 2.2
**Single-Ply TPO - 2.0
**Single-Ply EPDM - 2.1

**with Rust-Oleum Multi-Surface Adhesion Primer



	TECHNICAL DATA	ROC-171
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PHYSICAL PROPERTIES

PREMIUM 880 ELASTOMERIC ROOF COATING		
Resin Type		Acrylic elastomeric
Pigment Types		Titanium Dioxide, Zinc Phosphate
Solvents		Water
Weight	Per Gallon	10.1-11.1 lbs.
	Per Liter	1.20-1.35 kg
Solids	Weight	64 ± 3%
	Volume	55 ± 3%
Volatile Organic Compounds		40 g/l (0.33 lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		8.0 mils (200μ) per coat
Wet Film to Achieve DFT		16.0 mils (400μ) per coat
Practical Coverage at Recommended DFT (assumes 15% material loss)		Varies depending on substrate to be coated
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Tack Free	1 hour
	Handle	2-4 hours
	Rain Resistant	3 hours
	Recoat	4 hours [†] with itself, 16 hours for other finish coats
	Full Cure	2 days
Dry Fall Properties		A minimum 8-foot drop is required to ensure overspray dries to a removable dust when applied at 77°F (25°C). Avoid overspray from depositing on metal surfaces above 120°F (49°C).
Elongation at 70°F (21°C)		514%
Surface Temperature Limitations		Apply only at 50-130°F (10-54°C)
Shelf Life		5 years in unopened containers properly stored in a cool dry area. Do not allow to freeze.
Safety Information	Warning!	PROTECT FROM FREEZING. MAY CAUSE EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. SEE THE PRODUCT SAFETY DATA SHEET (SDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.

[†] The published recoat time with itself of 4 hours is to cover the full ambient condition application range for the coating. Variations in recoat time with itself may be acceptable under certain and specific conditions. Contact your Rust-Oleum representative.

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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