

• TRUSTED QUALITY SINCE 1921 •



**RUST-OLEUM®
115 HYBRID EPOXY 1K**

DESCRIPTION AND USES

Rust-Oleum 115 Hybrid Epoxy 1k is a universal water-based epoxy amine-adduct primer. It is recommended as an adhesion primer, bleed blocker, and corrosion protectant. This primer may be used on concrete, metal, modified bitumen, and BUR roofs.

PRODUCT FEATURES AND BENEFITS

- Adhesion promoter
- Bleed blocker
- Corrosion protection

PRODUCT

DESCRIPTION	5 Gallons
Gray Primer	355905

RECOMMENDED TOPCOATS

- 995 Silicone Roof Coating
- 980 Silicone Roof Coating
- 880 Elastomeric Roof Coating
- 870 Elastomeric Roof Coating

COMPANION PRODUCTS

- 338772 Silicone Roof Sealant- 10.1 oz.
- 338726 Silicone Roof Sealant- 1 Gallon
- 339670 Silicone Roof Sealant- 3.3 Gallons
- 301898 Elastomeric Roof patch- 1 Gallon

- Roof Patch Fabric
- 345646 6"x300'
- 345647 12"x300'
- 345648 40"x324'
- 345649 4"x300'

PRODUCT APPLICATION

SURFACE PREPARATION

ALL SURFACES: Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Krud Kutter® PRO Cleaner Degreaser, commercial detergent or other suitable cleaner. Mold and mildew must be cleaned with a chlorinated cleaner or bleach solution. Rinse thoroughly with fresh water and allow to fully dry. All surfaces must be dry at time of application.

STEEL: Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove all loose rust, mill scale, and deteriorated previous coatings. Abrasive blasting to a minimum Commercial Grade (SSPC-SP-6, NACE 3) with a 1-2 mil (25-50µ) surface profile is recommended for optimal performance. Abrasive blast cleaned steel requires two coats of primer.

PRODUCT APPLICATION (cont.)

APPLICATION

Mechanically mix before using to re-disperse any settled pigment. 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.

Surfaces must be power washed clean with an appropriate cleaner. The surface may be damp but must be free of standing water. Surface temperatures should be below 140°F to avoid premature curing. If roof surface is hot, apply a light water spray to reduce its temperature.

Apply with a soft bristle brush, roller or suitable spray equipment.

To provide bleed blocking over asphaltic surfaces, use 0.5-1.0 gallons per 100 sq. ft. Irregular or rougher surfaces may require additional coverage of 1.25 gallons per 100 sq. ft. to ensure complete coverage.

For corrosion protection on metal roof surfaces, apply at 4-7 mils wet film thickness to achieve a dry film thickness of 1.5-2.5 mils.

EQUIPMENT RECOMMENDATIONS

BRUSH/ROLLER: Use a good synthetic bristle brush or short nap roller cover (1/4-1/2 inch).

AIRLESS SPRAY

Fluid Pressure	Fluid Tip	Filter Mesh
1,800-3,100 psi	0.013-0.017	100

THINNING

BRUSH/ROLLER: Normally not required. When necessary, thin with fresh water.

AIRLESS SPRAY: Water up to 1 pint per gallon.

CLEAN UP

BRUSH/ROLLER: Use soap and water immediately after use.
SPRAY: Immediately flush spray lines with water, followed by Rust-Oleum Thinner #160402 or Krud Kutter PRO Cleaner Degreaser.

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RUST-OLEUM®**RUST-OLEUM®
115 HYBRID EPOXY 1K****PERFORMANCE CHARACTERISTICS****PENCIL HARDNESS**

METHOD: ASTM D3363

RESULT: 5B

CONICAL FLEXIBILITY

METHOD: ASTM D522

RESULT: >33%

CORROSION RESISTANCEMETHOD: ASTM B117, 1000 hours with 3800 White Topcoat
Mils DFT- 3.0-3.5

RESULT: ASTM D7087 for creepage – 3 mm

IMPACT RESISTANCE (direct/reverse)

METHOD: ASTM D2794

RESULT: 144/40 in. lbs.

TABER ABRASIONMETHOD: ASTM D4060, CS10 wheels, 500 gram load,
1,000 cycles

RESULT: 116 mg loss

TENSILE STRENGTH


METHOD: ASTM D2370

RESULT: 476 psi

ELONGATION

METHOD: ASTM D2370

RESULT: 75%

	TECHNICAL DATA	ROC-170
• TRUSTED QUALITY SINCE 1921 • 	RUST-OLEUM® 115 HYBRID EPOXY 1K	

PHYSICAL PROPERTIES

		115 HYBRID EPOXY 1K
Resin Type		Water-based Epoxy Amine Adduct
Pigment Type		TiO ₂ , Nepheline Syenite, Magnesium Silicate, Zinc Phosphate, Zinc Oxide
Solvents		Water, Texanol
Weight	Per Gallon	10.62 lbs.
	Per Liter	1.27 kg
Solids	By Weight	54.2-54.4%
	By Volume	41.6-41.8%
Volatile Organic Compounds		<50 g/l (0.42 lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		1.5.-2.5 mils (37.5-62.5μ)
Wet Film to Achieve DFT (unthinned material)		4.0-7.0 mils (100-175μ)
Practical Coverage at Recommended DFT (assumes 15% material loss)		225-380 sq. ft./gal. (5.5-9.3 m ² /l)
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	1-2 hours
	Handle	2-4 hours
	Recoat	1-3 hours
Surface Temperature Limitations		Apply only at 50-140°F (10-60°C)
Dry Heat Resistance		200°F (93°C)
Shelf Life		3 years
Warning!		PROTECT FROM FREEZING
Safety Information		For additional information, see SDS

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