RUST-OLEUM SIERRA PERFORMANCE™

S70 WATER-BASED EPOXY PRIMER

DESCRIPTION

The S70 Water-Based Epoxy Primer is formulated for brush and roller application. It is a zero VOC, zero HAP, very low odor, two component, water-based epoxy primer. This water based epoxy primer is designed for adhesion and corrosion resistance, and for general maintenance use in moderate industrial environments for the corrosion protection of equipment and other steel surfaces.

This coating is not suitable for continuous water immersion service. Since this coating is very low odor during application, it is ideal for use in warehouses, schools, healthcare facilities, food service areas, office buildings, hotels or in any area where odors are an issue.

This product is intended for application by brush or roller. Use S71 Water-Based Epoxy Primer for application by spray.

Sierra S70 complies with USDA FSIS regulatory sanitation performance standards for food establishment facilities. This coating is impervious to moisture and easily cleaned and sanitized.

APPEARANCE

Flat white finish

PRODUCTS

1-Gallon	5-Gallon	Description
208110	208111*	White
208112	208559*	Activator

* Made-To-Order only. Contact Rust-Oleum Customer Service for details.

COMPANION PRODUCTS

RECOMMENDED TOPCOAT

S60 Epoxy Maintenance Coating

COMPATIBLE TOPCOAT

S37 MetalMax®
S39 Beyond™

PRODUCT APPLICATION

SURFACE PREPARATION

ALL SURFACES: Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Industrial Pure Strength 3599 Cleaner/Degreaser®, commercial detergent or other suitable cleaner. Rinse thoroughly with fresh water and allow to fully dry.

PRODUCT APPLICATION

STEEL: Scrape and wire brush or power tool clean to remove loose rust, scale, and deteriorated coatings. Abrasive blast to a minimum Commercial Grade (SSPC-SP-6, NACE 3) for more severe exposures. Two coats of primer must be used on abrasive blasted surfaces.

PREVIOUSLY COATED: Previously coated surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be scarified by sanding to create a surface profile. The S70 Epoxy Primer is compatible with most coatings, but a test patch is suggested.

MIXING

Premix the base component to re-disperse settled pigment before adding the activator. Add in the activator and thoroughly mix for 3-5 minutes.

APPLICATION

Apply only when air and surface temperatures are between 50-100°F (10-38°C) and surface temperature is at least 5°F above dew point. Ensure fresh air entry during application and drying.

EQUIPMENT RECOMMENDATIONS

BRUSH: Use a good quality synthetic bristle brush.
ROLLER: Use a good quality ⅜-¼" nap lamb's wool or synthetic fiber roller.

TINTING

The 208110 base component can accept up to 2 ounces of colorant. Use a high quality universal water-based colorant.

CLEAN-UP

Clean up with soap and water and dispose of all waste material in a proper manner and in accordance with local waste regulations. Consult with local environmental regulations for appropriate method of disposal and/or recycling of paint and empty container.

Form: 210781
Rev.: 041714

PERFORMANCE CHARACTERISTICS

PENCIL HARDNESS

METHOD: ASTM D3363
RESULT: 3H

CONICAL FLEXIBILITY

METHOD: ASTM D522
RESULT: 180°, ½"

IMPACT RESISTANCE (direct)

METHOD: ASTM D2794
RESULT: 50 in. lbs.

INTERCOAT ADHESION

METHOD: ASTM D3359
RESULT: Excellent

CORROSION RESISTANCE

METHOD: ASTM B117, Salt Spray, CRS B1000
RESULT: 4 mils <1500 hours

For chemical and corrosion resistance, see the Rust-Oleum Industrial Brands Catalog (Form #275585).

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TECHNICAL DATA

S70 WATER-BASED EPOXY PRIMER

PHYSICAL PROPERTIES

Resin Type		Epoxy
Pigment Type		Titanium Dioxide
Solvents		Water
Weight*	**Per Gallon**	11.4 lbs.
	Per Liter	1.4 kg
Solids*	**By Weight**	58%
	By Volume	43%
Volatile Organic Compounds*		0.0 g/l
Recommended Dry Film Thickness (DFT) Per Coat		2.0-3.0 mils (50-75µ)
Wet Film to Achieve DFT		5.0-7.0 mils (125-175µ)
Theoretical Coverage at 1 mil DFT (25µ)		690 sq. ft./gal. (17.0 m^2/l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		230-340 sq. ft./gal. (5.7-8.4 m^2/l)
Mixing Ratio		1:1 Part 1 to Part 2 by Volume
Induction Period		None
Pot Life @ 70°-80°F		2 hours
Dry Heat Resistance		250°F (121°C), color may shift above 150°F (66°C)
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	**Tack-free**	30 minutes
	Recoat	1-2 hours
Shelf Life		3 years for Part 2, 2 years for Part 1
Storage Information		PROTECT FROM FREEZING. IF PRODUCT SHOULD FREEZE, ALLOW THE MATERIAL TO WARM UP AND REMAIN AT NORMAL ROOM TEMPERATURE FOR 48 HOURS PRIOR TO USE. MIX BY HAND STIRRING.
Safety Information		For additional information, see MSDS

Calculated values are shown and may vary slightly from the actual manufactured material.
*Activated material.

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RUST-OLEUM INDUSTRIAL BRANDS

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