



# RUST-OLEUM® INDUSTRIAL ENAMEL PRIMERS

formerly Stops Rust® Industrial Enamel Primers

## DESCRIPTION AND USES

769® DAMP PROOF RED PRIMER is a special fish-oil modified alkyd primer designed specifically to protect rusted steel against further rust and corrosion. Use on rusted steel surfaces where only minimal surface preparation (scraping and wire brushing) is practical.

HEAVY DUTY RUST-INHIBITIVE PRIMERS are special high solids alkyd primers with rust-inhibitive pigmentation for heavy-duty corrosion protection of steel surfaces subjected to extreme rust-producing environments, such as coastal areas or heavy industrial atmospheres. Use on clean, heavily rusted, lightly rusted, abrasive blasted or previously painted surfaces.

ZINC CHROMATE PRIMERS are general purpose, rust-inhibitive, modified alkyd primers designed for lightly rusted, bare, abrasive blasted or previously painted surfaces. May be used as intermediate coats for maximum corrosion protection.

## PRODUCTS

### 769® DAMP PROOF RED PRIMER

1-Quart	1-Gallon	5-Gallon	55-Gallon	Description
769504	769402	769300	769100	Red

### HEAVY DUTY RUST-INHIBITIVE PRIMERS

1-Quart	1-Gallon	5-Gallon	55-Gallon	Description
—	1060402	1060300	1060100	Gray
—	1069402	1069300	1060100	Red

### RUST-INHIBITIVE PRIMERS

1-Quart	1-Gallon	5-Gallon	55-Gallon	Description
—	960402*	960300*	960100*	Yellow
—	X60402*	X60300*	X60100*	Red
1280504	—	—	—	White

\* Contains zinc chromate

## COMPANION PRODUCTS

### RECOMMENDED TOPCOATS

Industrial Enamel High Gloss, Semigloss, Flat and Metallic Finishes (960402 and X60402 as intermediate primers)

## PRODUCT APPLICATION

### SURFACE PREPARATION

ALL SURFACES: Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Pure Strength® Cleaner/Degreaser, item #3599402, commercial detergent or other suitable cleaner. 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. 769 is intended for sound rusted steel only. DO NOT USE 769 on clean or abrasive clean steel.

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 Rust-Oleum® Industrial Enamel Primers are compatible with most coatings, but a test patch is suggested. WARNING! If you scrape, sand or remove old paint from any surface, you may release lead paint 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. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### APPLICATION

Apply only when the air and surface temperatures are between 32°-100° F (0°- 38° C) and the surface temperature is at least 5° F (3° C) above the dew point. Abrasive blast clean steel requires two coats of primer.



**PRODUCT APPLICATION (CONTINUED)**

**EQUIPMENT RECOMMENDATIONS**

BRUSH: Use a good quality natural or synthetic bristle brush.

ROLLER: Use a good quality natural or synthetic cover.

AIR-ATOMIZED SPRAY:

Method	Fluid Tip	Fluid Delivery	Atomizing Pressure
Pressure	0.055 –.070	10-16 oz/min	25–60 psi
Siphon	0.055 –.070	–	25–60 psi
HVLP (various)	0.043 –.070	8–10 oz/min	10 psi at the tip

AIRLESS SPRAY:

Fluid Pressure	Fluid Tip	Filter Mesh
1600–2400 psi	0.013–.017	100

**THINNING**

BRUSH/ROLLER: 333 Thinner

Normally not required. Use 5%–10% if needed (approximately 1/2 pint per gallon).

AIR ATOMIZED SPRAY: 333 Thinner

Use 10%–20% or as needed (approximately 1-1/2 pints per gallon).

AIRLESS SPRAY: 333 Thinner

Thinning normally not required. Use 5%–10% if needed (approximately 1/2 pint per gallon).

**CLEAN UP**

633402 Thinner or Mineral Spirits.

**PERFORMANCE CHARACTERISTICS**

**System Tested**

**Primer:** 769 Damp Proof Red Primer

**Topcoat:** N/A

**PENCIL HARDNESS**

METHOD: ASTM D3363, 30 days

RESULT: 5 B

**CONICAL FLEXIBILITY**

METHOD: ASTM D522

RESULT: 10.8% elongation

**IMPACT RESISTANCE direct / reverse**

METHOD: ASTM D2794

RESULT: 106 in lbs / 60 in lbs

**TABER ABRASION**

METHOD: ASTM D4060 - CS10 wheel, 1000 cycles, 500 load

RESULT: 67 mg loss

For chemical and corrosion resistance, see page 4 of the Rust-Oleum Industrial Brands Catalog (Form #206275.)



**TECHNICAL DATA**

**RUST-OLEUM INDUSTRIAL ENAMEL PRIMERS**

**PHYSICAL PROPERTIES**

		<b>769 DAMP PROOF</b>	<b>1060/1069 HEAVY-DUTY RUST-INHIBITIVE</b>	<b>X60/960/1280 RUST-INHIBITIVE</b>
<b>Resin Type</b>		Special Fish Oil Modified Alkyd	Modified Alkyd	Modified Alkyd
<b>Pigment Type</b>		Calcium Borosilicate, Red Iron Oxide	Titanium Dioxide, Strontium Zinc Phosphosilicate, Brown Iron Oxide (1069 only)	Zinc Chromate (X60/960) Strontium Zinc Phosphosilicate (1280 only)
<b>Solvents</b>		Aliphatic Hydrocarbons	Aliphatic Hydrocarbons	Aliphatic Hydrocarbons
<b>Volatile Organic Compounds</b>		385 g/L (3.2 lbs./gal.)	< 340 g/L (2.83 lbs./gal.)	450 g/L (3.8 lbs./gal.)
<b>Weight</b>	<b>Per Gallon</b>	11.0 lbs.	11.8–12.0 lbs.	10.4–10.7 lbs.
	<b>Per Liter</b>	1.3 Kg	1.4–1.5 Kg	1.2–1.3 Kg
<b>Solids</b>	<b>By Weight</b>	70.6%	76.5–76.8%	62–66%
	<b>By Volume</b>	50.2%	57–58%	40–43%
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		1–2 mils (25–50 µ)	1.5–2.5 mils (37.5–62.5 µ)	1–2 mils (25–50 µ)
<b>Wet Film to Achieve DFT (unthinned material)</b>		2–4 mils (50–100 µ)	2.5–4.5 mils (62.5–112.5 µ)	2.5–5 mils (62.5–125 µ)
<b>Theoretical Coverage at 1 mil DFT (25 µ)</b>		805 sq. ft./gal. (19.8 m <sup>2</sup> /L)	914–930 sq. ft./gal. (22.5–22.9 m <sup>2</sup> /L)	640–690 sq. ft./gal. (15.7–17.0 m <sup>2</sup> /L)
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		340–685 sq. ft./gal. (8.4–16.8 m <sup>2</sup> /L)	310–520 sq. ft./gal. (7.6–12.8 m <sup>2</sup> /L)	270–585 sq. ft./gal. (6.6–14.4 m <sup>2</sup> /L)
<b>Dry Times at 70°–80° F (21°– 27° C) and 50% Relative Humidity</b>	<b>Tack-free</b>	3–5 hours	3–5 hours	2–4 hours
	<b>Handle</b>	5–9 hours	5–10 hours	4–6 hours
	<b>Recoat</b>	24–48 hours	24–48 hours	24 hours
<b>Force Cure</b>		30 minutes at 225° F (107° C) (Dry to handle after cooling)	30 minutes at 225° F (107° C) (Dry to handle after cooling)	30 minutes at 225° F (107° C) (Dry to handle after cooling)
<b>Dry Heat Resistance</b>		212° F (100° C)	212° F (100° C)	212° F (100° C) (960/1280) 350° F (177° C) (X60)
<b>Shelf Life</b>		5 years	5 years	5 years
<b>Specification and Performance Alternates</b>		Federal Specification TT-C-530B	Federal Specification TT-P-86e Type II	X60: Federal Specification TT-P-636D 960: Federal Specification TT-P-645a
<b>Safety Information</b>	<b>Flash Point</b>	104° F (40° C)	104° F (40° C)	104° F (40° C)
	<b>Contains</b>	Lead-free	Lead-free	Lead-free
	<b>Warning!</b>	<b>COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY AFFECT BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES NOSE, THROAT, EYE AND SKIN IRRITATION. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. SEE THE PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.</b>		

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

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