



7400 SYSTEM QUICK DRY PRIMERS

DESCRIPTION AND USES

Rust-Oleum® Industrial Enamel Quick-Dry Primers are fast-drying, modified alkyd primers for general maintenance and shop coat applications. Designed for use on clean, slightly rusted, abrasive blasted or previously painted steel surfaces where a ½–1 hour tack free drytime is desired. For mild to moderate industrial environments.

PRODUCTS

1-Gallon	5-Gallon	Description
678402	678300	Red
7086402	7086300	Gray

COMPANION PRODUCTS

RECOMMENDED TOPCOATS

Industrial enamel high gloss, semigloss, flat and metallic finishes

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.

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 High Performance Industrial Enamel Quick Dry 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.

PRODUCT APPLICATION (cont.)

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,NACE3) with a 1-2 mil (25-50µ) surface profile is recommended for optimal performance. Abrasive blast cleaned steel requires two coats of primer.

APPLICATION

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

EQUIPMENT RECOMMENDATIONS

BRUSH: Use a good quality natural or synthetic bristle brush. (For touch-up only)

AIR-ATOMIZED SPRAY:

Method	Fluid Tip	Fluid Delivery	Atom. Pressure
Pressure	0.055-.070	16 oz./min.	25-60 psi
Siphon	0.055-.070	—	25-60 psi
HVLP (var.)	0.043-.070	8-14 oz./min.	10 psi (at tip)

AIRLESS SPRAY:

Pump Ratio	Fluid Press.	Fluid Tip	Filter Mesh
30:1	1,600-2,400 psi	0.015-0.019	60

THINNING

BRUSH (for touch-up): 333 Thinner*: Normally not required. Use 5-10% if needed (approximately ½ pint per gallon).

AIR-ATOMIZED SPRAY: 333 Thinner*: Use up to 10-20% or as needed (approximately 1½ pints per gallon).

AIRLESS SPRAY: 333 Thinner*: Normally not required. Use 5-10% if needed (approximately ½ pint per gallon).

CLEAN-UP

333402 Thinner*

*Thinning with mineral spirits, VM&P Naphtha, or xylene will increase the VOC above the 450 g./l. limit.



TECHNICAL DATA

7400 SYSTEM QUICK DRY PRIMERS

PHYSICAL PROPERTIES

		678 RED PRIMER	7086 GRAY PRIMER
Resin Type		Modified short oil alkyd	Modified short oil alkyd
Pigment Type		Brown iron oxide, titanium dioxide, calcium borosilicate, carbon black, talc	Titanium dioxide, calcium borosilicate, carbon black, talc
Solvents		VM&P naphtha, xylene	VM&P naphtha, xylene
Weight	Per Gallon	10.7 lbs.	10.3 lbs.
	Per Liter	1.3 kg.	1.2 kg.
Solids	By Weight	65%	64%
	By Volume	43%	44%
Volatile Organic Compounds		<450 g.l. (3.8 lbs./gal.)	<450 g.l. (3.8 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		1-2 mils (25-50µ)	1-2 mils (25-50µ)
Wet Film to Achieve DFT		2.5-5.0 mils (62.5-125.0µ)	2.5-5.0 mils (62.5-125.0µ)
Theoretical Coverage at 1 mil DFT (25µ)		690 sq. ft./gal. (17.0 m ² /l.)	705 sq. ft./gal. (17.4 m ² /l.)
Practical Coverage at Recommended DFT (assumes 15% material loss)		290-585 sq. ft./gal. (7.1-14.4 m ² /l.)	300-600 sq. ft./gal. (7.4-14.8 m ² /l.)
Dry Times at 70-80°F (21-27°C) and 50% rel. hum.	Tack-free	½-1 hour	½-1 hour
	Handle	1-2 hours	1-2 hours
	Recoat	24 hours	24 hours
Force Cure		20 minutes at 225°F (dry to handle after cooling)	20 minutes at 225°F (dry to handle after cooling)
Dry Heat Resistance		212°F (100°C)	212°F (100°C)
Shelf Life		5 years	5 years
Specifications and Performance Alternatives		USDA acceptable	USDA acceptable
Safety Information	Flash Point	51°F (11°C)	52°F (11°C)
	Contains	Lead-free	Lead-free
	Warning!	CONTAINS XYLENE. FLAMMABLE. VAPOR HARMFUL. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. SEE THE PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.	

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

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