RUST-OLEUM® HIGH PERFORMANCE®

9400 SYSTEM
2083 TRANSPORTATION PRIMER

DESCRIPTION AND USES

Rust-Oleum® 2083 Transportation primer is a fast-drying, modified alkyd primer designed specifically for use the 9400 System High Gloss Polyester Urethane finishes. It is suitable for use on clean, abrasive blasted metals, or previously painted steel surfaces. Do not use on galvanized steel.

PRODUCTS

1-Gallon	5-Gallon	Description
2083402		Gray

COMPANION PRODUCTS

RECOMMENDED TOPCOATS

9400 System High Gloss Polyester Urethane

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	0.055-0.070	16 oz./min.	25-60 psi
Siphon	0.055-0.070	—	25-60 psi
HVLP (var.)	0.043-0.070	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 or Xylene

RUST-OLEUM HIGH PERFORMANCE

TECHNICAL DATA

9400 SYSTEM 2083 TRANSPORTATION PRIMER

PHYSICAL PROPERTIES

		2083 PRIMER
Resin Type		Modified alkyd
Pigment Type		Titanium dioxide, calcium borosilicate, carbon black, talc
Solvents		Xylene, aromatic hydrocarbons
Weight	**Per Gallon**	10.3 lbs.
	Per Liter	1.2 kg
Solids	**By Weight**	57%
	By Volume	41%
Volatile Organic Compounds		<580 g/l (4.8 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		1.5-2.5 mils (37.5-62.5µ)
Wet Film to Achieve DFT		4.0-6.5 mils (100-162.5µ)
Theoretical Coverage at 1 mil DFT (25µ)		665 sq. ft./gal. (16.4 m^2/l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		225-375 sq. ft./gal. (5.5-9.2 m^2/l)
Dry Times at 70-80°F (21-27°C) and 50% rel. hum.	**Tack-free**	15-20 minutes
	Handle	30-60 minutes
	Recoat	30-60 minutes
Force Cure		20 minutes at 225°F (dry to handle after cooling)
Dry Heat Resistance		212°F (100°C)
Shelf Life		5 years
Specifications		Can be used in USDA-regulated facilities based on FSIS Directive11,000.4 (Rev.4), November 24,1995.
Safety Information	**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.

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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