RUST-OLEUM® HIGH PERFORMANCE®

1500 SYSTEM LOW VOC, HIGH SOLIDS RUST-INHIBITIVE PRIMER

DESCRIPTION AND USES

A phenolic modified short oil alkyd featuring fast-drying, early recoatability, and resistance to weathering and mild to moderate industrial conditions.

Designed for clean, abrasive blasted or slightly rusted steel surfaces. Ideal for use on equipment and machinery which must be placed back into service promptly. It is an excellent shop coat primer due to its fast dry and "universal" compatibility with other finishes. Not for use on galvanized steel.

PRODUCTS

HS1573402
HS1573300

APPEARANCE

Flat yellow

PACKAGING

1 gallon and 5 gallon containers

RECOMMENDED TOPCOATS

7400 System DTM 450 VOC Alkyd Enamel

1500 System Speedy-Dry Alkyd Enamel
(In areas with no VOC regulations)

PRODUCT APPLICATION

SURFACE PREPARATION

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

APPLICATION

Apply only when air and surface temperatures are between 32-100°F (0-38°C) and surface temperature is at least 5°F above the dew point.

PRODUCT APPLICATION (cont.)

EQUIPMENT RECOMMENDATIONS

(Comparable equipment also suitable).

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

AIR-ATOMIZED SPRAY: (pressure)

Model	Air Cap	Fluid Tip	Fluid Delivery	Atomizing Pressure
Binks #18	63PB	66	16 oz./min.	25-60 psi
DeVilbiss MBC-510	704	FX	16 oz./min.	25-60 psi

AIR-ATOMIZED SPRAY: (siphon)

Model	Air Cap	Fluid Tip	Fluid Delivery	Atomizing Pressure
Binks #18	66SF	66	—	25-60 psi
DeVilbiss MBC-510	30	EX	—	25-60 psi

AIRLESS SPRAY:

	Pump Ratio	Fluid Pressure	Fluid Tip	Filter Mesh
Graco Bulldog	30:1	1,600-2,400 psi	0.015-0.019	100
Binks Jupiter 8D	35:1	1,600-2,400 psi	0.015-0.019	100
DeVilbiss Huskie II	33:1	1,600-2,400 psi	0.015-0.019	100

HOT SPRAY: Recommended temperature: 120-140°F (49-60°C)

THINNING

BRUSH: Normally not required. 333 Thinner not recommended.

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

AIRLESS SPRAY: Normally not required: Use 5-10% or as needed (approximately ½ pint per gallon).

CLEAN-UP

333 Thinner or acetone.

PHYSICAL PROPERTIES

Resin Type		Phenolic modified shory oil alkyd
Pigment Type		Yellow iron oxide, zinc molybdate and zinc phosphate, barium sulfate, magnesium silicate
Solvents		Xylene, methyl isobutyl ketone
VOC		<420 g/l
Weight	**Per Gallon**	12.6 lbs.
	Per Liter	1.5 kg
Solids	**By Weight**	73%
	By Volume	52%
Recommended Dry Film Thickness (DFT) Per Coat		1.5-2.5 mils (38-62µ)
Wet Film to Achieve DFT (unthinned material)		3-5 mils (75-125µ)
Theoretical Coverage at 1 mil DFT (25µ)		834 sq. ft./gal. (19.9 m^2/l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		275-475 sq. ft./gal. (6.8-11.7 m^2/l)
Dry Times at 70-80°F (21-27°C) and 50% rel. hum.	**Tack-free**	20-30 minutes
	Handle	4-5 hours
	Recoat	½-1 hours
Force Cure		20 minutes at 225°F (dry to handle after cooling)
Dry Heat Resistance		212°F (100°C)
Electrostatic Conductivity		Minimum resistance: 1 megohm
Shelf Life		5 years
Safety Information	**Contains**	No lead has been deliberately added
	Warning!	**CONTAINS XYLOL AND METHYL ISOBUTYL KETONE. FLAMMABLE 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 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.

RUST-OLEUM®
INDUSTRIAL BRANDS

Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois 60061
An RPM Company

Phone: 877•385•8155
www.rustoleum.com/industrial

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