

RUST-OLEUM®



**CV740 SYSTEM
RUST PREVENTIVE ENAMEL**

DESCRIPTION AND USES

The CV740 System Rust Preventive Enamels are designed for indoor and outdoor steel surfaces in mild to moderate environments. Excellent resistance to general weathering, salt air, mild chemical fumes and light abrasion. Not for use on galvanized steel.

If desired, the CV740 System Rust Preventive Enamels can be applied direct-to-metal (DTM), however optimal corrosion protection is achieved when the finish coat is used in conjunction with one of the recommended primers.

PRODUCTS

PRIMERS

1-Gallon	Description
255617	White Primer
255610	Red Primer

FLAT FINISHES

1-Gallon	Description
255609	Flat Black

PRODUCTS (cont.)

HIGH GLOSS FINISHES

1-Gallon	Description
255611	Black
261959	Safety Blue
255616	Safety Yellow
255615	Safety Red
255613	Navy Gray
255612	Forest Green
255614	White
261956	Silver Gray
261957	Dunes Tan

TINT BASES†

1-Gallon	Description
255621	Red
255620	Yellow
255618	Masstone
255619	Pastel
261961	Deep

†All tint bases are high gloss 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.

STEEL: Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove all loose rust, mill scale, and deteriorated previous coatings. If abrasive blasting cleaning is used, then two coats of recommended primer is required. See the primer Technical Data Sheet for more information.

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 7400 System Enamels are compatible with most coatings, but a test patch is suggested.

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.

EQUIPMENT RECOMMENDATIONS

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

ROLLER: Use a good quality natural or polyester cover. Use a short nap roller for smooth surfaces, and a medium nap roller for rough surfaces.

PRODUCT APPLICATION (cont.)

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.	60-90 psi*

*10 psi max.at tip

AIRLESS SPRAY (HIGH GLOSS):

Pump Ratio	Fluid Pressure	Fluid Tip	Filter Mesh
30:1	1,600-2,400 psi	0.013-0.017	100

AIRLESS SPRAY (ALL OTHERS):

Pump Ratio	Fluid Pressure	Fluid Tip	Filter Mesh
30:1	1,600-2,400 psi	0.013-0.019	60

THINNING

BRUSH/ROLLER: Normally not required.

AIR-ATOMIZED SPRAY: 333402 Thinner: Use up to 15% by volume.

AIRLESS SPRAY: 333402 Thinner: Normally not required. If needed use up to 5% by volume.

CLEAN-UP

333402 Thinner or Acetone.

PHYSICAL PROPERTIES

		FINISHES	PRIMER
Resin Type		Modified alkyd	Modified alkyd
Pigment Type		Varies with color	Varies with color
Solvents		Exempt halogenated and hydrocarbon solvents	Exempt halogenated and hydrocarbon solvents
Weight	Per Gallon	9.0-10.4 lbs.	12.3 lbs.
	Per Liter	1.1-1.2 kg	1.5 kg
Solids	By Weight	46.0-54.8%	62.0%
	By Volume	46.6-48.0%	48.0%
Volatile Organic Compounds		<100 g/l (0.83 lbs./gal.)	<100 g/l (0.83 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		1.5-2.5 mils [†] (37.5-62.5μ)	1-2 mils (25-50μ)
Wet Film to Achieve DFT (unthinned material)		3.5-5.5 mils (87.5-137.5μ)	2-4 mils (50-100μ)
Theoretical Coverage at 1 mil DFT (25μ)		750-770 sq. ft./gal. (18.5-18.9 m ² /l)	770 sq. ft./gal. (18.9 m ² /l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		255-435 sq. ft./gal. (6.3-10.7 m ² /l)	325-650 sq. ft./gal. (8.0-16.0 m ² /l)
Dry Times at 77°F (25°C) and 50% Relative Humidity	Tack-free	4-6 hours	4-6 hours
	Handle	8-12 hours	8-12 hours
	Recoat	24 hours	24 hours
Dry Heat Resistance		212°F (100°C)	212°F (100°C)
Shelf Life		5 years	5 years
Safety Information	Contains	Lead-free	Lead-free
	Warning!	COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF INHALED MAY AFFECT BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES RESPIRATORY TRACT, 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.

[†]If applied over a primer or previously coated steel, a dry film thickness of 1-2 mils (25-50μ) is acceptable, 2-4.5 mils (50-112.5μ) wet film thickness.

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