

RUST-OLEUM®



**C740 SYSTEM
DTM ALKYD ENAMEL 400 VOC**

DESCRIPTION AND USES

The C740 System DTM Alkyd Enamels are designed for indoor and outdoor metal surfaces in mild to moderate commercial environments. Excellent resistance to general weathering, salt air, mild chemical fumes and light abrasion. Not for use on galvanized steel.

If desired, the C740 System DTM Alkyd 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
255544	White Primer
255552	Red Primer
255555	Gray Primer

FLAT FINISHES

1-Gallon	Description
255553	Flat Black

PRODUCTS (cont.)

GLOSS FINISHES

1-Gallon	Description
255554	Black
255548	Safety Blue
255550	Safety Yellow
255551	Safety Red
255556	Navy Gray
255549	Forest Green
255558	White
261948	Silver Gray
261949	Dunes Tan

TINT BASES†

1-Gallon	Description
255565	Red
255564	Yellow
255559	Masstone
255563	Pastel
261951	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 C740 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		Aliphatic hydrocarbons	Aliphatic hydrocarbons
Weight	Per Gallon	7.6-8.9 lbs.	11.5 lbs.
	Per Liter	0.9-1.1 kg	1.4 kg
Solids	By Weight	56.1-62.8%	71.2%
	By Volume	48.3-48.5%	48.6%
Volatile Organic Compounds		<400 g/l (3.33 lbs./gal.)	<400 g/l (3.33 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 mils (75-125μ)	2-4 mils (50-100μ)
Theoretical Coverage at 1 mil DFT (25μ)		775-780 sq. ft./gal. (19.1-19.2 m ² /l)	780 sq. ft./gal. (19.2 m ² /l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		265-440 sq. ft./gal. (6.5-10.8 m ² /l)	330-660 sq. ft./gal. (8.1-16.2 m ² /l)
Dry Times at 77°F (25°C) and 50% Relative Humidity	Tack-free	2-4 hours	2-4 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 mils (50-100μ) wet film thickness.

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