



**C740 SYSTEM  
DTM ALKYD ENAMEL 400 VOC**

**DESCRIPTION AND USES**

Rust-Oleum® Commercial 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.

This product complies with USDA FSIS regulatory sanitation performance standards for food establishment facilities. This coating is impervious to moisture and easily cleaned and sanitized.

**PRODUCTS**

**PRIMERS**

1-Gallon	Description
255544	White Primer
255552	Red Primer
255555	Gray Primer

**FLAT FINISHES**

1-Gallon	Description
255553	Flat Black

**HIGH 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 Krud Kutter® Original Cleaner Degreaser, 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 CV740 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.

**AIR-ATOMIZED SPRAY:**

Method	Fluid Tip	Fluid Delivery	Atomization 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 maximum 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.

**TECHNICAL DATA****C740 SYSTEM DTM ALKYD ENAMEL 400 VOC****PHYSICAL PROPERTIES**

		<b>FINISHES</b>	<b>PRIMERS</b>
<b>Resin Type</b>		Modified Alkyd	Modified Alkyd
<b>Pigment Type</b>		Varies with color	Varies with color
<b>Solvents</b>		Aliphatic hydrocarbons	Aliphatic hydrocarbons
<b>Weight</b>	<b>Per Gallon</b>	7.6-8.9 lbs.	11.5 lbs.
	<b>Per Liter</b>	0.9-1.1 kg	1.4 kg
<b>Solids</b>	<b>By Weight</b>	56.1-62.8%	71.2%
	<b>By Volume</b>	48.3-48.5%	48.6%
<b>Volatile Organic Compounds</b>		<400 g/l (3.33 lbs./gal.)	<400 g/l (3.33 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) per Coat</b>		1.5-2.5 mils <sup>†</sup> (37.5-62.5μ)	1.0-2.0 mils (25-50μ)
<b>Wet Film to Achieve DFT (Unthinned material)</b>		3.0-5.0 mils (75-125μ)	2.0-4.0 mils (50-100μ)
<b>Theoretical Coverage at 1 mil DFT (25μ)</b>		775-780 sq.ft./gal. (19.1-19.2 m <sup>2</sup> /l)	780 sq.ft./gal. (19.2 m <sup>2</sup> /l)
<b>Practical Coverage at Recommended DFT (assume 15% material loss)</b>		265-440 sq.ft./gal. (6.5-10.8 m <sup>2</sup> /l)	330-660 sq.ft./gal. (8.1-16.2 m <sup>2</sup> /l)
<b>Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity</b>	<b>Tack-free</b>	2-4 hours	2-4 hours
	<b>Handle</b>	8-12 hours	8-12 hours
	<b>Recoat</b>	24 hours	24 hours
<b>Dry Heat Resistance</b>		212°F (100°C)	212°F (100°C)
<b>Shelf Life</b>		5 years	5 years
<b>Safety Information</b>		For additional information, see SDS	

Calculated values may vary slightly from the actual manufactured material.

<sup>†</sup>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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