

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.

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 Pure Strength® Cleaner/Degreaser, #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 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.

1 Form: 3001990 Rev.: 041414

RUST-OLEUM*

TECHNICAL DATA

C740 SYSTEM DTM ALKYD ENAMEL 400 VOC

PRODUCT APPLICATION (cont.)

AIR-ATOMIZED SPRAY:

 Method
 Fluid Tip
 Fluid Delivery
 Atomization

 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
 *10 psi maximum at tip
 *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.

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TECHNICAL DATA

C740 SYSTEM DTM ALKYD ENAMEL 400 VOC

PHYSICAL PROPERTIES

		FINISHES	PRIMERS
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 m²/l)	780 sq. ft./gal. (19.2 m²/l)
Practical Coverage at Recommended DFT (assume 15% material loss)		265-440 sq. ft./gal. (6.5-10.8 m²/l)	330-660 sq. ft./gal. (8.1-16.2 m²/l)
Dry Times at 70-80°F (21-27°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		5 years
Safety Information		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 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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[†]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.