



**PROFESSIONAL HIGH PERFORMANCE
DTM ALKYD ENAMEL GALLONS**

DESCRIPTION AND USES

Rust-Oleum® Professional DTM Alkyd Enamels are oil modified alkyds with excellent rust prevention when applied directly to metal. They also offer excellent coverage, chip resistance and color retention. Not for use on galvanized steel.

PRODUCTS

PRIMERS 450 VOC	GALLON
Rusty Metal Red Primer	7769402
White Clean Metal Primer	7780402
Aluminum Primer	8781402
FINISHES 450 VOC	GALLON
Safety Blue	7524402
Royal Blue	7727402
Hunter Green	7738402
Safety Yellow	7543402
Dark Brown	7748402
Safety Orange	7555402
Safety Red	7564402
Regal Red	7765402
Almond	7770402
Sand	7771402
Leather Brown	7775402
Flat Black	7776402
Black	7779402
Light Machine Gray	7781402
Smoke Gray	7786402
Flat White	7790402
White	7792402
Semi-Gloss White	239076
Semi-Gloss Black	239078
FINISHES 400 VOC	GALLON
Flat Red	K7769402
Gray	K7781402
White Clean Metal	215969
Safety Blue	K7725402
Hunter Green	K7738402
Safety Yellow	K7744402
Safety Red	K7764402
Flat Black	K7776402
Black	K7779402
Smoke Gray	K7786402
Light Machine Gray	K7789402
White	K7792402
Royal Blue	215964
Regal Red	215965

PRODUCTS (cont.)

FINISHES 400 VOC (cont.)	GALLON
Almond	215966
Leather Brown	215967
Flat White	215968
Semi-Gloss White	239077
Semi-Gloss Black	239093
PRIMERS 100 VOC	GALLON
Flat Red Primer	242252
White Clean Metal Primer	242259
FINISHES 100 VOC	GALLON
Leather Brown	242250
Flat Black	242251
Black	242253
Hunter Green	242254
Smoke Gray	242255
White	242256
Safety Red	242257
Safety Yellow	242258

PRODUCT APPLICATION

SURFACE PREPARATION

Clean surface with soap and water, rinse and let dry. Remove loose paint and rust with a wire brush or sandpaper. Lightly sand glossy surfaces.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

APPLICATION

Apply only when air and surface temperatures are between 32-90°F (0-38°C) and humidity is below 65% to ensure proper drying. Do not apply to surfaces that, when heated, exceed 200°F (93°C) or galvanized metal. Professional DTM Alkyd Enamels can be used over most latex or oil paints. Professional DTM Alkyd Enamels and Primers are not recommended for water immersion.



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PRODUCT APPLICATION (cont.)

APPLICATION (cont.)

Mix thoroughly to ensure any settled pigment is re-dispersed before using. Thin material, only if necessary, with acetone. For brush or roller, thinning is not normally required. For air spray, thin up to 1-½ to 2 pints per gallon. Do not thin with gasoline, lacquer thinner, turpentine, etc. For airless spray, thinning is not normally required. Apply with a good quality brush, roller or spray gun.


Brush: Use light, even strokes. Excessive brushing reduces film thickness and protection.

Roller: The rougher the surface, the longer the roller nap should be. Cover approximately one square yard at a time. Roll away from previously coated area and work back on it for a uniform appearance. Use a brush on crevices and sharp edges.

Spray Gun: Follow spray gun directions carefully. Always keep the gun ten to twelve inches from the surface and in motion while spraying.

CLEAN-UP

Clean brush, roller and other tools with mineral spirits.

	TECHNICAL DATA	PRO-09
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PHYSICAL PROPERTIES

		450 VOC FINISHES	400 VOC FINISHES	100 VOC FINISHES
Resin Type		Modified Alkyd	Modified Alkyd	Oil Modified Alkyd
Pigment Type		Varies with color	Varies with color	Varies with color
Solvents		Aliphatic hydrocarbons	Aliphatic hydrocarbons	Exempt halogenated and hydrocarbon solvents
Weight	Per Gallon	7.6-8.9 lbs.	7.6-8.9 lbs.	9.0-10.4 lbs.
	Per Liter	0.9-1.1 kg	0.9-1.1 kg	1.1-1.2 kg
Solids	By Weight	51-59%	56.1-62.8%	46.0-54.8%
	By Volume	42-43%	48.3-48.5%	46.6-48.0%
Volatile Organic Compounds		<450 g/l (3.75 lbs./gal.)	<400 g/l (3.33 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)	1.5-2.5 mils (37.5-62.5µ)	1.5-2.5 mils (37.5-62.5µ)
Wet Film to Achieve DFT (unthinned material)		3.5-6.0 mils (87.5-150µ)	3.0-5.0 mils (75-125µ)	3.5-5.5 mils (87.5-137.5µ)
Theoretical Coverage at 1 mil DFT (25µ)		675-690 sq.ft./gal. (16.6-17.0 m ² /l)	775-780 sq.ft./gal. (19.1-19.2 m ² /l)	750-770 sq.ft./gal. (18.5-18.9 m ² /l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		230-390 sq.ft./gal. (5.7-9.6 m ² /l)	265-440 sq.ft./gal. (6.5-10.8 m ² /l)	255-435 sq.ft./gal. (6.3-10.7 m ² /l)
Dry Times at 70°F (21°C) and 50% Relative Humidity	Tack-free	2-4 hours	2-4 hours	4-6 hours
	Handle	5-9 hours	8-12 hours	8-12 hours
	Recoat	24 hours (allow more time at cooler temperatures)		
Dry Heat Resistance		212°F (100°C)	200°F (93°C)	212°F (100°C)
Shelf Life		5 years	5 years	5 years
Flash Point		104°F (40°C)		
Safety Information		For additional information, see SDS.		

Calculated values are shown and may vary 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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