



**PROFESSIONAL  
DTM ALKYD ENAMEL GALLONS**

**DESCRIPTION AND USES**

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**

- 7769402 Rusty Metal Primer
- 7780402 White Clean Metal Primer
- 8781402 Aluminum Primer

**FINISHES**

- 7524402 Safety Blue
- 7543402 Safety Yellow
- 7555402 Safety Orange
- 7564402 Safety Red
- 7715402 Aluminum
- 7727402 Royal Blue
- 7738402 Hunter Green
- 7748402 Dark Brown
- 7765402 Regal Red
- 7770402 Almond
- 7771402 Sand
- 7775402 Leather Brown
- 7776402 Flat Black
- 7779402 Black
- 7781402 Light Machine Gray
- 7786402 Smoke Gray
- 7790402 Flat White
- 7792402 White
- 239076 Semi-Gloss White
- 239078 Semi-Gloss Black

**PRODUCTS – 400 VOC**

**PRIMERS**

- K7769402 Flat Red
- K7781402 Gray
- 215969 White Clean Metal

**PRODUCTS – 400 VOC**

**FINISHES**

- K7725402 Safety Blue
- K7738402 Hunter Green
- K7744402 Safety Yellow
- K7764402 Safety Red
- K7776402 Flat Black
- K7779402 Black
- K7786402 Smoke Gray
- K7789402 Light Machine Gray
- K7792402 White
- 215964 Royal Blue
- 215965 Regal Red
- 215966 Almond
- 215967 Leather Brown
- 215968 Flat White
- 239077 Semi-Gloss White
- 239093 Semi-Gloss Black

**PRODUCTS – 100 VOC**

**PRIMERS**

- 242252 Flat Red Primer
- 242259 White Clean Metal Primer

**FINISHES**

- 242250 Leather Brown
- 242251 Flat Black
- 242253 Black
- 242254 Hunter Green
- 242255 Smoke Gray
- 242256 White
- 242257 Safety Red
- 242258 Safety Yellow

**TINT BASES**

- 253840 Gloss Masstone Base
- 254039 Gloss Pastel Base
- 254040 Gloss Yellow Base
- 254042 Gloss Red Base
- 254046 Semi-Gloss Masstone Base
- 254047 Semi-Gloss Pastel Base
- 254088 Semi-Gloss Yellow Base
- 254089 Semi-Gloss Red Base



## TECHNICAL DATA

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### PRODUCT APPLICATION

#### PAINTING CONDITIONS

Apply only when air and surface temperatures are between 32-90°F (0-38°C) and humidity is below 85% to ensure proper drying. Do not apply to surfaces that, when heated, exceed 200°F (93°C) or galvanized metal. Can be used over most latex or oil paints. Professional DTM Alkyd Enamels and Primers are not recommended for water immersion.

#### 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](http://www.epa.gov/lead).

#### APPLICATION

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 1-1/2 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.



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### PHYSICAL PROPERTIES

		450 VOC FINISHES	400 VOC FINISHES	100 VOC FINISHES
<b>Resin Type</b>		Modified Alkyd	Modified Alkyd	Oil Modified Alkyd
<b>Pigment Type</b>		Varies with color	Varies with color	Varies with color
<b>Solvents</b>		Aliphatic hydrocarbons	Aliphatic hydrocarbons	Exempt halogenated and hydrocarbon solvents
<b>Weight</b>	<b>Per Gallon</b>	7.6-8.9 lbs.	7.6-8.9 lbs.	9.0-10.4 lbs.
	<b>Per Liter</b>	0.9-1.1 kg	0.9-1.1 kg	1.1-1.2 kg
<b>Solids</b>	<b>By Weight</b>	51-59%	56.1-62.8%	46.0-54.8%
	<b>By Volume</b>	42-43%	48.3-48.5%	46.6-48.0%
<b>Volatile Organic Compounds</b>		<450 g/l (3.75 lbs./gal.)	<400 g/l (3.33 lbs./gal.)	<100 g/l (0.83 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		1.5-2.5 mils (37.5-62.5 $\mu$ )	1.5-2.5 mils (37.5-62.5 $\mu$ )	1.5-2.5 mils (37.5-62.5 $\mu$ )
<b>Wet Film to Achieve DFT (unthinned material)</b>		3.5-6.0 mils (87.5-150 $\mu$ )	3.0-5.0 mils (75-125 $\mu$ )	3.5-5.5 mils (87.5-137.5 $\mu$ )
<b>Theoretical Coverage at 1 mil DFT (25<math>\mu</math>)</b>		675-690 sq.ft./gal. (16.6-17.0 m <sup>2</sup> /l)	775-780 sq.ft./gal. (19.1-19.2 m <sup>2</sup> /l)	750-770 sq.ft./gal. (18.5-18.9 m <sup>2</sup> /l)
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		230-390 sq.ft./gal. (5.7-9.6 m <sup>2</sup> /l)	265-440 sq.ft./gal. (6.5-10.8 m <sup>2</sup> /l)	255-435 sq.ft./gal. (6.3-10.7 m <sup>2</sup> /l)
<b>Dry Times at 70°F (21°C) and 50% Relative Humidity</b>	<b>Tack-free</b>	2-4 hours	2-4 hours	4-6 hours
	<b>Handle</b>	5-9 hours	8-12 hours	8-12 hours
	<b>Recoat</b>	24 hours (allow more time at cooler temperatures)		
<b>Dry Heat Resistance</b>		212°F (100°C)	200°F (93°C)	212°F (100°C)
<b>Shelf Life</b>		5 years	5 years	5 years
<b>Flash Point</b>		104°F (40°C)		
<b>Safety Information</b>		For additional information, see MSDS.		

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