



TECHNICAL DATA

PRO-02

PROFESSIONAL DTM ALKYD ENAMEL (450 VOC)

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

SKU	Description
-----	-------------

PRIMERS (Gallons)

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

FINISHES (Gallons)

7715402	Aluminum
7524402	Safety Blue
7727402	Royal Blue
7738402	Hunter Green
7543402	Safety Yellow
7748402	Dark Brown
7555402	Safety Orange
7564402	Safety Red
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

FINISHES (Quarts)

V7727502	Royal Blue
V7738502	Hunter Green
V7570502	Almond
V7575502	Leather Brown
V7579502	Gloss Black
7578502	Flat Black
V7586502	Smoke Gray
7590502	Flat White
V7592502	Gloss White
202191T	Safety Yellow
202192T	Safety Red
243995L	Semi-Gloss Black
243996T	Semi-Gloss White

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. 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.

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

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.

DRY & RECOAT TIMES

Dry and recoat times are based on 70°F (21°C) and 50% relative humidity. Allow more time at cooler temperatures. Dries to the touch in 2-4 hours, to handle in 5-10 hours and is fully dry after 24 hours. Recoat after 24 hours.

CLEAN-UP

Clean brush, roller and other tools with mineral spirits.



TECHNICAL DATA

PROFESSIONAL DTM ALKYD ENAMEL (450 VOC)

PHYSICAL PROPERTIES

DTM ALKYD ENAMEL 450 VOC FINISHES		
Resin Type		Modified Alkyd
Pigment Type		Varies with color
Solvents		Aliphatic hydrocarbons
Weight	Per Gallon	7.6-8.9 lbs.
	Per Liter	0.9-1.1 kg
Solids	By Weight	51-59%
	By Volume	42-43%
Volatile Organic Compounds		<450 g/l (3.75 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		1.5-2.5 mils (37.5-62.5μ)
Wet Film to Achieve DFT (unthinned material)		3.5-6.0 mils (87.5-150μ)
Theoretical Coverage at 1 mil DFT (25μ)		675-690 sq.ft./gal. (16.6-17.0 m ² /l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		230-390 sq.ft./gal. (5.7-9.6 m ² /l)
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	2-4 hours
	Handle	5-10 hours
	Recoat	24 hours
Dry Heat Resistance		212°F (100°C)
Shelf Life		5 years
Flash Point		104°F (93°C)
Safety Information		For additional information, see MSDS

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.



Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois 60061
An RPM Company

Phone: 877-385-8155
www.rustoleum.com

Form: GDH-762
Rev.: 040715