



TECHNICAL DATA

ATO-145

RUST-OLEUM® AUTOMOTIVE 600°F ENGINE ENAMEL

DESCRIPTION AND USES

Rust-Oleum® Automotive Engine Enamel creates a smooth finish and is formulated for use on automotive engines and other automotive surfaces which reach intermittent temperatures up to 600°F (315°C). This ceramic coating provides added durability and increased fade resistance.

The Engine Enamel Clear can also be applied over Rust-Oleum 600°F (315°C) Engine Enamels to provide a high gloss, clear protective coating.

PRODUCTS

SKU	DESCRIPTION (11 oz. Aerosol)
-----	------------------------------

363567	Gloss Black
363568	Satin Black
363569	Gloss Ford ² Red
363570	Gloss Chevy ¹ Orange
363571	Flat Black
363572	Gloss Clear
363574	Gloss Ford ² Blue
366428	Aluminum
366429	Cast Coat Aluminum
366430	Gloss White
366431	Gloss Ford ² Light Blue
366432	Gloss Industrial Red
366433	Gloss Chevy ¹ Orange Red
366434	Gloss Daytona Yellow
366435	Gloss New Ford ² Gray
366436	Gloss Grabber Green
366437	Cast Coat Iron

PRODUCT APPLICATION

PAINTING CONDITIONS

Use outdoors or in a well-ventilated area such as an open garage. Use when temperature is between 50-90°F (10-32°C) and humidity is below 65% to ensure proper drying. Do not apply to galvanized metal. Avoid spraying in very windy and dusty conditions. Cover surrounding area to protect from spray mist.

SURFACE PREPARATION

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

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.

PRODUCT APPLICATION (cont.)

SURFACE PREPARATION (cont.)

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.

PRIMING

Use of Rust-Oleum 600°F (315°C) Engine Enamel Primer provides superior adhesion and hiding and is especially recommended when applying Rust-Oleum Engine Enamel to bare metal.

APPLICATION

Shake can vigorously for one minute after the mixing ball begins to rattle. If mixing ball fails to rattle, DO NOT STRIKE CAN. Contact Rust-Oleum. Shake often during use. Hold can 10-16" from surface and spray in a steady back-and-forth motion, slightly overlapping each stroke. Keep the can the same distance from the surface and in motion while spraying. Apply 3 or more light coats a few minutes apart. Follow up with one medium wet coat to achieve a smooth, glossy finish.

Apply Engine Enamel Clear over 600°F (315°C) Engine Enamels at anytime. Apply 2 or more light coats a few minutes apart.

NOTE: Engine Enamel features an advanced spray system that allows you to spray at any angle, even upside down for those hard to reach areas. A comfort spray tip with wider finger pad reduces fatigue caused by continuous spraying.

DRY & RECOAT

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 20 minutes and can be handled in 1 hour. Apply a second coat at any time. Apply Rust-Oleum 600°F (315°C) Engine Enamel Clear top coat for maximum durability.

CLEAN-UP

Wipe off tip before storing. Clean up wet paint with acetone. Throw away empty can in trash pickup. Do not burn or place in home trash compactor.

CLOGGING

If the valve clogs, twist and pull off spray tip and rinse in a solvent such as acetone. Do not stick a pin or other objects into the stem.

	TECHNICAL DATA	ATO-145
	RUST-OLEUM® AUTOMOTIVE 600°F ENGINE ENAMEL	

PHYSICAL PROPERTIES

		600°F ENGINE ENAMEL
Resin Type		Acrylic
Pigment Type		Varies with color
Solvents		Ketones, Acetates, Dimethyl Carbonate, Xylene, Toluene
MIR		1.60 max
Fill Weight		11 oz.
Recommended Dry Film Thickness (DFT) Per Coat		1.0 mil (25μ)
Practical Coverage at Recommended DFT		2-14 sq.ft./can
Dry times at 77°F (25°C) and 50% Relative Humidity	Handle	1 hour
	Recoat	Anytime
	Full Cure	24 hours
Shelf Life		2 years
Dry Heat Resistance		600°F (Intermittent)
Safety Information		For Additional Information, See SDS

¹Chevy® is a registered trademark of General Motors LLC and is referenced solely for the purpose of informing consumers that Rust-Oleum believes the color of this product is similar to certain colors used on genuine General Motors vehicles and parts.

²Ford® is a registered trademark of Ford Motor Company and is referenced solely for the purpose of informing consumers that Rust-Oleum believes the color of this product is similar to certain colors used on genuine Ford vehicles and parts.

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.