



AUTOMOTIVE HIGH HEAT ENAMEL

DESCRIPTION AND USES

Rust-Oleum® High Heat is a tough protective enamel that renews and protects surfaces subject to intermittent heat up to 1,093°C (2,000°F). This rust preventive formula is ideal for automotive parts. High Heat Enamels feature 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 a wider finger pad reduces fatigue caused by continuous spraying.

PRODUCTS

257769	Flat Black
257770	Flat Aluminum

PRODUCT APPLICATION

SURFACE PREPARATION

Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with a commercial detergent, or other suitable cleaning method. Rinse with fresh water and allow to thoroughly dry. Remove loose paint and rust with a wire brush or sandpaper. 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.

PAINTING CONDITIONS

Use outdoors or in a well ventilated area such as an open garage. Use when temperature is between 10°C (50°F) and 32°C (90°F) and humidity is below 85% to ensure proper drying. Do not use on metal directly exposed to flames. Avoid spraying in very windy and dusty conditions. Cover surrounding area to protect from spray mist.

PRIMING

Use of a Rust-Oleum® Engine Primer provides added corrosion protection, superior adhesion and hiding and is especially recommended for metal surfaces.

PRODUCT APPLICATION (cont.)

APPLICATION

Shake can vigorously for one minute after the mixing ball begins to rattle. Shake often during use. Hold can 25-40 cm (10-16") from the surface and spray in a steady back-and-forth motion, slightly overlapping each stroke. Keep the can the same distance from the surface. Keep the can in motion while spraying. Apply 2 or more light coats a few minutes apart to avoid runs and sags. Do not use near open flame.

DRY & RECOAT

Dry and recoat times are based on 21°C (70°F) and 50% relative humidity. Allow more time at cooler temperatures. Dries to touch in 30 minutes and dries to handle in 1-2 hours. You may recoat anytime after 1 hour. Once dry, High Heat must be further cured to increase durability. Allow paint to dry 1-2 hours before proceeding to the next steps below. Follow directions accordingly. Items may emit smoke and harmless odor at first.

ITEMS OFF THE VEHICLE

Bake at 121°C (250°F) for 30 minutes and allow 30 minutes to cool. Bake at 204°C (400°F) for 30 minutes and allow 30 minutes to cool. Bake at 315°C (600°F) for 30 minutes and then allow 30 minutes to cool. Caution: Be sure not to exceed the heat tolerance of the least heat tolerant part.

ITEMS ON VEHICLE

Run the vehicle at idle for 10 minutes, then allow 20 minutes to cool. Run vehicle at idle for 20 minutes, then let cool for 20 minutes. Run vehicle at normal operating conditions for 30 minutes, then allow vehicle to cool.

CLEAN-UP

Wipe off tip before storing. Clean-up wet paint with xylene or mineral spirits or xylene. Properly discard empty container. 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 mineral spirits. Do not insert any object into can valve opening.



TECHNICAL DATA

AUTOMOTIVE HIGH HEAT ENAMEL

PHYSICAL PROPERTIES

		ENGINE ENAMEL
Resin Type		Silicone
Pigment Type		Varies with Colour
Solvents		Aromatics and Ketones
MIR		1.40 Max
Fill Weight		340 g
Recommended Dry Film Thickness (DFT) Per Coat		1.0-2.0 mils
Practical Coverage at Recommended DFT (assumes 15% material loss)		6-10 sq. ft./can (0.6-0.9 m ² /can)
Dry Times at 77°F (25°C) and 50% Relative Humidity	Tack-free	30 minutes
	Handle	1-2 hours
	Recoat	Anytime after 1 hour
Dry Heat Resistance		Intermittent up to 1,093°C (2,000°F)
Shelf Life		3 years
Safety Information	Contains	Lead free
	Warning!	FOR ADDITIONAL INFORMATION, SEE MSDS.

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