



# HIGH HEAT PRIMER

## DESCRIPTION AND USES

Rust-Oleum® High Heat Primer bonds to bare metal and helps create a smooth surface for top coat application. It is formulated to prevent rust and is recommended for use on automotive engines and other automotive surfaces which reach intermittent temperatures up to 2000°F (1093°C). For maximum protection, top coat with Rust-Oleum High Heat Paint. High Heat Primer 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 a wider finger pad reduces fatigue caused by continuous spraying.

## PRODUCTS

SKU (12 ounce spray)	Description
249340	Gray

## 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 85% to ensure proper drying. Do not apply to galvanized metal. 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.

### SURFACE PREPARATION

Wash the surface with a commercial detergent, or other suitable cleaning method. Rinse with fresh water and dry with a clean cloth. Remove loose paint and rust with a wire brush or sandpaper until the metal surface is completely bare. Lightly sand smooth and 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).

## PRODUCT APPLICATION (cont.)

### 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 8-12" 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 2 or more light coats a few minutes apart. Do not use near open flame.

### 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 30 minutes and dries to handle in 1-2 hours. High Heat Primer may be coated with Rust-Oleum High Heat Paint anytime after 1 hour. Once dry, High Heat Paint or Primer must be further cured to increase durability. Allow High Heat Paint and Primer to dry 2-4 hours before proceeding to the next steps below. Follow directions accordingly. Items may emit smoke and harmless odor at first when heated.

**Items Off Vehicle** – Bake at 250°F (121°C) for 30 minutes then allow 30 minutes to cool. Bake at 400°F (204°C) for 30 minutes then allow 30 minutes to cool. Bake at 600°F (315°C) for 30 minutes 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 vehicle at idle for 10 minutes then allow 20 minutes to cool. Run vehicle at idle 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 when finished. Clean up wet paint with xylene or mineral spirits. 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

# HIGH HEAT PRIMER

## PHYSICAL PROPERTIES

HIGH HEAT PRIMER		
Resin Type	Proprietary	
Pigment Type	Titanium Dioxide, Copper Chromite Black	
Solvents	Acetone, Toluene, Xylene	
MIR	1.85 Max	
Fill Weight	12 ounces	
Recommended Dry Film Thickness (DFT) Per Coat	1.5-2.5 mils (37.5-62.5 $\mu$ )	
Practical Coverage at Recommended DFT	10-12 sq.ft./can (0.90-1.09 m <sup>2</sup> /can)	
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	30 minutes
	Handle	1-2 hours
	Cure	See instructions on previous page
Dry Heat Resistance	2,000°F (1093°C) Intermittent	
Shelf Life	5 years	
Flash Point	-156°F (-104°C)	
Safety Information	For additional information, see SDS	

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