

• TRUSTED QUALITY SINCE 1921 •

**RUST-OLEUM®**  
**SPECIALTY**

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**HIGH HEAT**

**DESCRIPTION AND USES**

High Heat is designed to renew and protect metal surfaces subject to heat up to 1200°F (648°C). This durable satin finish retains excellent color retention after repeated heating. Ideal for the exterior of barbeque grills, wood stoves, radiators, fire pits, fireplace screens, automotive parts, and more.

**PRODUCTS**

SKU	Description
7716830	Silver (12 oz. aerosol)
7750830	Almond (12 oz. aerosol)
7751830	White (12 oz. aerosol)
7752830	Green (12 oz. aerosol)
7778830	Bar-B-Que Black (12 oz. aerosol)
7778502	Bar-B-Que Black (Quart)
7778730	Bar-B-Que Black (Pint)
233967	Bar-B-Que Black (Gallon)
237543	Low VOC Bar-B-Que Black (Gallon)

**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. Priming is not recommended. Do not use on metal directly exposed to open flame or in direct contact with food, such as a grill grate. If using sprays, avoid application in very windy and dusty conditions. Cover surrounding area to protect from spray mist.

**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.

**WARNING!** If you scrape, sand or remove old paint from any surface, you may release lead paint 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.

**PRODUCT APPLICATION (cont.)**

**APPLICATION**

**Sprays:** 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 upright 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. Keep the can in motion while spraying. Apply two or more light coats a few minutes apart to avoid drips and runs. Do not use near open flame.

**Brush Goods:** Mix thoroughly to ensure any settled pigment is re-dispersed. Thin material only if necessary with mineral spirits. For brush or roller application, thin no more than 5%. Do not thin with gasoline, lacquer thinner, turpentine, etc. Apply with a good quality brush, nap roller, or conventional spray gun. A second coat is not recommended.

**DRY & RECOAT TIMES**

**Sprays:** Dries to touch in 30 minutes and to handle in 1-2 hours. Allow paint to dry for 1 hour before heating. In order to achieve full cure, the coating must be heat cured at 450°F for one hour. Product may emit smoke and harmless odor.

**Brush Goods:** Dry and recoat times are based on 70°F and 50% relative humidity. Allow more time at cooler temperatures. Dries to touch in 2-4 hours, to handle in 5-9 hours, and is fully dry in 24 hours. Allow paint to dry 24 hours before heating. When using the subject surface for the first time, open windows and provide ventilation as the new paint finish may emit smoke.

**CLEAN-UP**

**Sprays:** Clean valve immediately after use by turning can upside down and depressing spray button for 3-5 seconds. Clean-up wet paint with xylene or mineral spirits. Properly discard empty container. Do not burn or place in home trash compactor.

**Brush Goods:** Clean brush, roller, and other tools with mineral spirits. Dispose of soiled rags properly.

**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**

**SPECIALTY HIGH HEAT**

**PHYSICAL PROPERTIES**

		<b>Sprays</b>	<b>Brush Goods</b>	<b>Low VOC</b>
<b>Resin Type</b>		Modified Silicone	Silicone Modified Alkyd	Silicon Modified Alkyd
<b>Pigment Type</b>		Black Manganese Ferrite, Chromite Black	Black Manganese Ferrite, Chromite Black	Black Manganese Ferrite, Chromite Black
<b>Solvents</b>		Acetone, Aromatic Hydrocarbons	Aromatic Mineral Spirits	Aromatic Mineral Spirits
<b>Fill Weight</b>		12 ounces	NA	NA
<b>MIR</b>		1.85 Max	NA	NA
<b>Weight</b>	<b>Per Gallon</b>	NA	9.8 lbs./gal	10.9 lbs./gal
	<b>Per Liter</b>	NA	1.17 kg	1.30 kg
<b>Solids</b>	<b>By Weight</b>	NA	59.2%	67.9%
	<b>By Volume</b>	NA	38.1%	45.5%
<b>Volatile Organic Compounds</b>		NA	475 g/l (3.9 lbs./gal.)	420 g/l (3.5 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) per Coat</b>		1.0-2.0 mils (25-50µ)	1.0-2.0 mils (25-50µ)	1.0-2.0 mils (25-50µ)
<b>Wet Film to Achieve DFT (unthinned material)</b>		NA	2.5-5.0 mils (62.5-125µ)	2.0-4.5 mils (50-112.5µ)
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		7-8 sq.ft./can (0.63-0.72 m <sup>2</sup> /can)	260-520 sq.ft./gal. (6.4-12.8 m <sup>2</sup> /l)	310-620 sq.ft./gal. (7.6-15.3 m <sup>2</sup> /l)
<b>Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity</b>	<b>Touch</b>	30 minutes	2-4 hours	2-4 hours
	<b>Handle</b>	1-2 hours	5-9 hours	5-9 hours
	<b>Recoat</b>	Within 1 hour or after 48 hours	NA	NA
	<b>Full Cure</b>	Allow paint to dry 1 hour then heat cure @ 450°F (230°C) for 1 hour	Allow paint to dry 24 hours before heating	Allow paint to dry 24 hours before heating
<b>Dry Heat Resistance</b>		1200°F (648°C)	1200°F (648°C)	1200°F (648°C)
<b>Shelf Life</b>		5 years	5 years	5 years
<b>Flash Point</b>		-156°F (-104°C)	104°F (40°C)	104°F (40°C)
<b>Safety Information</b>		For additional information, see SDS		



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.

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# RUST-OLEUM®

## High Heat

**Tough  
Protective  
Enamel**

**Renew Grills  
Wood Stoves  
& More**

**Resists Heat  
Up To 1200°**

**STOPS  
RUST®**

**DANGER!** EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL.  
VAPORS MAY CAUSE FLASH FIRE. CONTENTS UNDER PRESSURE.

See other cautions on back panel.

**NET WT. 12 OZ. 340g\***

\*Aged Copper NET WT. 11 OZ. 312g



**HIGH HEAT** is a tough protective enamel that renews and protects surfaces subject to heat up to 1200° F. This rust-preventive formula is ideal for barbecue grills, woodstoves, radiators, re pits, replace screens, automotive parts and more. Rich, satin finish.

**Painting Conditions:** Use outdoors or in a well-ventilated area such as an open garage. Use when temperature is between 50°F (10°C) and 90°F (32°C) and humidity is below 65% to ensure proper drying. Priming is not recommended. Do not use on metal directly exposed to flames or in direct contact with food, such as a grill grate. Avoid spraying in very windy, dusty conditions. Cover surrounding area to protect from spray mist.

**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.**

**Painting:** Shake can vigorously for one minute after mixing ball begins to rattle. Shake often during use. Hold can upright 12-16" from surface and spray in a steady back-and-forth motion, slightly overlapping each stroke. Keep the can the same distance from the surface. Keep the can in motion while spraying. Apply 2 or more light coats a few minutes apart.

**Dry & Recoat Times** based on 70°F - 50% relative humidity. Allow more time at cooler temperatures. May recoat within 1 hour or after 48 hours. Allow paint to dry 1 hour before heating. It may emit smoke and harmless odor at first. Dries to the touch in 1/2 hour and to handle in 1-2 hours.

**Clean-up:** When finished spraying, clear spray valve by turning can upside down and pushing spray button for 5 seconds. Clean up wet paint with Xylol or mineral spirits. Throw away empty can in trash pickup. Do not burn or place in home trash compactor.

**Clogging:** If valve clogs, twist and pull off spray tip and rinse it in a solvent such as mineral spirits. Do not stick pin or other object into the stem.

**CONTAINS: ACETONE, LIQUIFIED PETROLEUM GAS, AROMATIC HYDROCARBONS AND PETROLEUM DISTILLATES.** Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes eye, skin, nose and throat irritation. Do not puncture, strike, or incinerate (burn) container. Exposure to heat or prolonged exposure to sun may cause bursting. Do not expose to heat or store at temperatures above 120°F (48°C). **NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the content may be harmful or fatal. **Vapors may ignite explosively.** Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. **Use only with adequate ventilation.** Do not breathe dust, vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness, wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes, skin and clothing. **First Aid:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water.

**⚠️WARNING:** Cancer and Reproductive Harm.

**RUST-OLEUM**  
CORPORATION