

• TRUSTED QUALITY SINCE 1921 •
RUST-OLEUM®
 SPECIALTY

RUST-OLEUM® HIGH HEAT

DESCRIPTION AND USES

Rust-Oleum® High Heat is designed to renew and protect metal surfaces subject to heat up to 1200°F (648°C). This durable flat 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	Flat Silver (12 oz. aerosol)
7750830	Flat Almond (12 oz. aerosol)
7751830	Flat White (12 oz. aerosol)
7778830	Flat BBQ Black (12 oz. aerosol)
7778502	Flat BBQ Black (Quart)
7778730	Flat BBQ Black (Half-Pint)
233967	Flat BBQ Black (Gallon)
237543	Flat Low VOC BBQ 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. 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.

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

Dry and recoat times are based on 70°F and 50% relative humidity. Allow more time at cooler temperatures.

Sprays: Dries to touch in 30 minutes and to handle in 1-2 hours. Allow paint to dry for 1 hour before heating. Upon first heating, product may emit smoke and harmless odor. May recoat at any time. Heat curing is required for temperature use over 500°F. To improve performance and durability, heat cure at 450°F for one hour.

Brush Goods: 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. May recoat after 24 hours as needed. When using the subject surface for the first time, open windows and provide ventilation as the new paint finish may emit smoke. Heat curing is required for temperature use over 500°F. To improve performance and durability, heat cure at 450°F for one hour.

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.

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RUST-OLEUM® HIGH HEAT		

PHYSICAL PROPERTIES

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

Calculated values are shown and may vary from the actual manufactured material.

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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