

• TRUSTED QUALITY SINCE 1921 •

RUST-OLEUM®
SPECIALTY

SPECIALTY HIGH HEAT

DESCRIPTION AND USES

High Heat is designed to renew and protect metal surfaces subject to heat up to 1000°F (538°C). This durable semi-gloss finish retains excellent gloss and color retention after repeated heating. High Heat sprays withstand temperatures up to 1200°F (648°C). Ideal for the exterior of barbecue grills, wood stoves, radiators, fire pits, fireplace screens, automotive parts, and more.

PRODUCTS

7716830	Silver (12 oz.)
7750830	Almond (12 oz.)
7751830	White (12 oz.)
7752830	Green (12 oz.)
7778830	Bar-B-Que Black (12 oz.)
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)

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 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. Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. LEAD IS TOXIC. Contact the U.S.EPA/Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

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. 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 (some paint will be sprayed out, so be careful to not inadvertently spray yourself or other objects). 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.

PHYSICAL PROPERTIES

		Sprays	Brush Goods	Low VOC
Resin Type		Modified Silicone	Silicone Modified Alkyd	Silicone Modified Alkyd
Pigment Type		Black Manganese Ferrite, Chromite Black	Black Manganese Ferrite, Chromite Black	Black Manganese Ferrite, Carbon Black
Solvents		Acetone, Aromatic Hydrocarbons	Aromatic Mineral Spirits	Aromatic Mineral Spirits
Weight	per Gallon	N/A	9.8 lbs./gal	10.9 lbs./gal
	per Liter	N/A	1.17 kg	1.30 kg
Solids by Weight		N/A	59.2%	67.9%
Solids by Volume		N/A	38.1%	45.5%
Volatile Organic Compounds		N/A	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)		N/A	2.5-5.0 mils (62.5-125μ)	2.0-4.5 mils (50-112.5μ)
Theoretical Coverage at 1mil DFT (25μ)		N/A	611 sq.ft./gal. (15.0 m ² /l)	730 sq.ft./gal. (17.9 m ² /l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		7-8 sq.ft./can (0.63-0.72 m ² /can)	65-130 sq.ft./quart (1.6- 3.2 m ² /l) 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 77°F (25°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	Within 1 hour or after 48 hours	24 hours	24 hours
	Full Cure	Allow paint to dry 1 hour before heating	Allow paint to dry 24 hours before heating	Allow paint to dry 24 hours before heating
Dry Heat Resistance		1200°F (648°C)	1000°F (538°C)	1000°F (538°C)
Shelf Life		5 years	5 years	5 years
Flash Point		-156°F (-144°C)	104°F (40°C)	104°F (40°C)
Warning!		For additional information, see MSDS.	For additional information, see MSDS.	For additional information, see MSDS.

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