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Rust-Oleum 7778830

Rust-Oleum High Heat Enamel Spray Paint Instruction Manual

Brand: Rust-Oleum | **Model:** 7778830

PRODUCT OVERVIEW

The Rust-Oleum High Heat Enamel Spray Paint is specifically formulated to renew and protect metal surfaces exposed to high temperatures. This product is ideal for use on items such as barbecue grills, wood-burning stoves, radiators, and engines. It provides rust protection and retains color and finish even after repeated heating, withstanding surface temperatures up to 1200°F (648°C).



Figure 1: Rust-Oleum High Heat Enamel Spray Paint, Bar-B-Que Black.

Safety Information

Always read and follow all instructions and warnings on the product label before use. Ensure adequate ventilation during application. Wear appropriate personal protective equipment, including gloves and eye protection.



Figure 2: Recommended safety and preparation items for paint application.

WARNING: This product is not for use in areas directly exposed to flames, such as inside of fireplaces, grills, boilers, ovens, and stovetops.



Figure 3: Important safety warning regarding direct flame exposure.

SETUP AND SURFACE PREPARATION

Proper surface preparation is crucial for optimal adhesion and durability. Ensure the area is well-ventilated.

1. **Clean the Surface:** Remove all dirt, grease, oil, salt, and chemical contaminants by washing the surface with a commercial cleaner or other suitable cleaning method. Rinse thoroughly with fresh water and allow to dry completely.
2. **Remove Loose Rust and Paint:** Scrape off any loose rust and peeling paint with a wire brush or sandpaper. Lightly sand glossy surfaces to create a profile for better adhesion.
3. **Mask Adjacent Areas:** Use painter's tape and drop cloths to protect surrounding areas from overspray.
4. **Do Not Prime:** A primer is not necessary for this high heat enamel.



Figure 4: Visual guide for surface preparation and application.

OPERATING INSTRUCTIONS (APPLICATION)

Follow these steps for effective application of the High Heat Enamel Spray Paint:

1. **Shake Well:** Shake the can vigorously for one minute after the mixing ball begins to rattle. Continue to shake occasionally during use.
2. **Apply in Light Layers:** Hold the can 10-16 inches from the surface and spray in a steady, back-and-forth motion, slightly overlapping each stroke. Apply several thin coats a few minutes apart rather than one heavy coat to avoid drips and ensure even coverage.
3. **Drying Time:** Allow the painted surface to dry for at least 2 hours in a well-ventilated area before proceeding to the heat cure.
4. **Heat Cure:** After drying, remove any painter's tape. Heat cure the painted item at 450°F (232°C) for 1 hour. This process helps the paint achieve its full durability and heat resistance. The finish may transition from a satin to a flat appearance after heat curing.



Figure 5: The paint's finish may change after heat curing.



BEFORE & AFTER



Figure 6: Example of a surface before and after application.

MAINTENANCE

Once applied and heat-cured, the Rust-Oleum High Heat Enamel provides a durable finish that resists outdoor weathering, rust, corrosion, and chipping. To maintain the appearance and protective qualities of the painted surface:

- Regularly clean the surface with mild soap and water. Avoid abrasive cleaners or scrubbing pads that could damage the finish.
- Inspect the painted surface periodically for any signs of wear or damage. Touch up small areas as needed following the application instructions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Poor Adhesion / Flaking	Improper surface preparation (e.g., surface not clean, loose rust/paint not removed). Insufficient heat curing.	Ensure surface is thoroughly cleaned and free of contaminants. Remove all loose material. Ensure heat cure is performed at the specified temperature and duration.
Uneven Finish / Drips	Applying too much paint in one coat. Holding can too close to surface.	Apply multiple thin coats instead of one heavy coat. Maintain recommended distance (10-16 inches) from the surface during spraying.
Color Change After Heat Cure	This is a normal characteristic of the product.	No action required. The paint is designed to transition from a satin to a flat finish after heat curing.

SPECIFICATIONS

Brand	Rust-Oleum
Model Number	7778830
Color	Bar-B-Que Black
Finish Type	Satin (becomes Flat after heat cure)

Size	12 Ounce (Pack of 1)
Item Volume	12 Fluid Ounces
Special Feature	Rust Resistant
Paint Type	Spray
Specific Uses For Product	Interior/Exterior (on metal items subject to heat)
Surface Recommendation	Metal
Indoor/Outdoor Usage	Outdoor
Max Temperature Resistance	Up to 1200°F (648°C)
Coverage	Up to 7-8 sq. ft.
Dry to Touch	30 minutes
UPC	020066777883

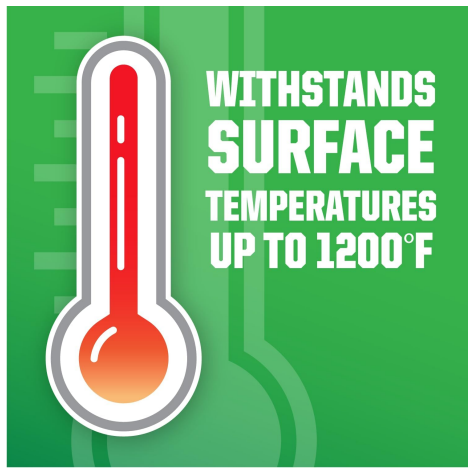




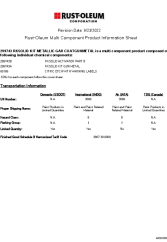

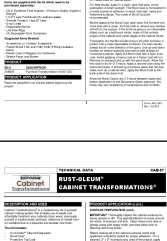

Figure 7: Temperature resistance of the enamel.

WARRANTY AND SUPPORT

Rust-Oleum products are backed by a limited warranty. For specific warranty details or technical support, please visit the official Rust-Oleum website or contact their customer service department. The official user guide is also available for download: [Download User Guide \(PDF\)](#)

For further assistance, you may visit the [Rust-Oleum Store on Amazon](#).



	<p>Rust-Oleum Stops Rust Turbo Spray System SRT-44 Technical Data Sheet</p> <p>Technical data sheet for Rust-Oleum Stops Rust with Turbo Spray System (SRT-44), including product description, application instructions, and physical properties. Learn about coverage, dry times, and preparation.</p>
	<p>Rust-Oleum Stops Rust Textured Sprays: Technical Data and Application Guide</p> <p>Technical data and application guide for Rust-Oleum Stops Rust Textured Sprays, detailing product uses, preparation, application instructions, dry times, cleanup, and physical properties for various textured spray paint finishes.</p>
	<p>Rust-Oleum 299743 RKSOLID KIT METALLIC GAR COATGUNMETAL - Safety Data Sheet Information</p> <p>Safety Data Sheet (SDS) information for the Rust-Oleum 299743 RKSOLID KIT METALLIC GAR COATGUNMETAL, detailing its components: RKSOLID ACTIVATOR PART B (299743B), RKSOLID KIT GUN METAL (299743A), and CITRIC ETCH WITH WARNING LABELS (60169). Includes hazard identification, first aid, handling, transport, and regulatory details.</p>
	<p>Rust-Oleum Furniture Transformations Low VOC System Technical Data and Application Guide</p> <p>Comprehensive technical data and application guide for Rust-Oleum Furniture Transformations Low VOC system, detailing surface preparation, deglosser, bond coat, decorative glaze, and topcoat application for a durable furniture finish.</p>
	<p>Rust-Oleum Cabinet Transformations: Technical Data and Application Guide</p> <p>Comprehensive technical data and step-by-step application guide for Rust-Oleum Cabinet Transformations, a DIY cabinet coating system for transforming wood, laminate, and metal cabinets. Includes product details, preparation, application, and physical properties.</p>
	<p>Rust-Oleum Fillcoat Waterproofing Membrane: Technical Specifications</p> <p>Detailed technical specifications for Rust-Oleum Fillcoat waterproofing membrane, including application, drying times, consumption, and safety data for roofs and terraces. Product code: Fillcoat.</p>