

WILKO PAINT, Inc.

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MANUFACTURERS OF THE FINEST INDUSTRIAL FINISHES

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MODIFIED SILICONE GRAY PRIMER WILKO NO. 802-01

PRODUCT DESCRIPTION: No. 802-01 Modified Silicone Gray Primer is a one-pack primer designed for high temperature service (300-500°F). It provides excellent flexibility at these temperatures.

TYPICAL USES: As primer for hot piping, exhaust stacks, mufflers, and vessels operating from 300 to 500° F. May also be used by itself or as an intermediate coat over zinc rich primers. Its high heat property makes it ideal for use as a weldable coating.

GENERIC TYPE: Silicone-Acrylic

COLOR: Gray

FINISH: Flat

COMPONENTS: One

WEIGHT PER GALLON: 10.5 +.5 lbs

VOC: 4.4 lbs

SOLIDS BY VOLUME: 39.8 ± 1.0%

COVERAGE: @ 2 mil DFT
Theoretical – 368 sq. ft./ gal.
Practical – 511 sq. ft./ gal.

RECOMMENDED THICKNESS : 2 mils DFT

NUMBER OF COATS: 1 to 2 recommended

DRYING TIME: *To Touch:* 30-60 minutes
To Recoat: 3-4 hours
@ 77oF

CURING: This coating will air dry at room temperature, but full cure is not achieved until it is exposed to temperature of 350°F or higher for a minimum of 4 hours

THINNER: No. 13 or Retarder No. 3

CLEAN UP THINNER: Wilko No. 1, No. 13 or MEK

RESISTANCE GUIDE: Heat Tolerance: 500°F Dry when used with 820 Modified Silicones. This coating exhibits excellent adhesion and topcoat holdout at this temperature.

RECOMMENDED SUBSTRATE: Steel

RECOMMENDED PRIMERS: Apply directly to properly prepared steel surfaces, or use over inorganic zinc rich primers.

RECOMMENDED TOPCOATS: Wilko Modified Silicones

ALTERNATE PRODUCT: For higher temperature requirements (up to 1000°F) and superior corrosion resistance, use 809-01 Zinc Rich Primer.

SURFACE PREPARATION: Surface must be clean and dry, free of oil, grease, wax or other contaminants. The use of chemical cleaning or pretreatment (e.g., phosphatizing) will help improve the adhesion and will enhance the overall properties of the coating. For low temperature applications (<350°F), a multi-stage surface preparation is adequate.

For high temperatures (350 - 500 °F), or when coating newly fabricated steel, or if heavy mill scale, rust, or loose paint is present on existing structures, clean the parts by mechanical means. All sharp edges must be rounded and weld splatter must be removed prior to cleaning. Hand, power tool or SP6 Blast Cleaning will afford minimum protection. For maximum protection of steel surface, dry abrasive blast to a Near White Blast Finish in accordance with SSPC-SP10-63T or NACE #1. Apply prior to development of any surface rust.

APPLICATION PROCEDURE: May be applied by brush, roller, or spray. Spray application is preferred for film depth consistency and optimum cosmetic value. For conventional or airless spray application, use a set up designed for applying conventional coatings. Preferred procedure: Allow 2-hour solvent release following each coat to prevent air entrapment. For optimum hardness, apply heat at operating temperature of 300-400°F for at least 30 minutes for complete cure.

Topcoating Zinc Rich Primer: The primer must air dry 2-4 hours, before applying 802.01 Gray as an intermediate coat. For first coat, apply T/C reduced 50% with No. 1 Thinner, in a full wet tack coat to reduce any pinholing or bubbling. The porous zinc film will rapidly absorb this coat and seal the permeable surface and prevent air bubbles. An hour solvent release period should then be allowed. Follow with a second coat reduced 1/2 to 1 pint No. 1 Thinner at 1.0-1.5 mils DFT. Cure at operating temperature for 4 hours or resume continuous operations.

FIRST AID: If inhaled, remove to fresh air. If not breathing, administer artificial respiration, preferably mouth to mouth. In case of any contact with eyes, flush with plenty of water for 15 minutes and secure medical attention.

PRECAUTION: Not intended for general consumer use. This product is flammable and can cause skin and eye irritations. Keep away from sparks, heat and open flames. Avoid contact with eyes, skin and clothing. Use with adequate ventilation and avoid prolonged breathing of vapors. Wear an air-supplied mask to avoid breathing concentrated vapors in enclosed areas. Keep the container closed. For additional safety information, refer to Material Safety Data Sheets.

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