

# WILKO PAINT, Inc.

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MANUFACTURERS OF THE FINEST INDUSTRIAL FINISHES

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## PRIMER FAST DRY GRAY WILKO NO. 102.05

**PRODUCT DESCRIPTION:** No. 102.05 Primer FD Gray is a self-etching, fast dry, and lift resistant primer that has an excellent adhesion to steel surfaces. It is a pre-treatment type primer with tenacious adhesion too difficult to adhere substrates.

**PRINCIPAL USE:** Ideal for use as a primer for steel surfaces that are to be topcoated with lacquers, alkyd enamels, or acrylic modified alkyds.

**WEIGHT PER GALLON:** 8.9 ±.5 lbs.

**VOC:** 6 lbs./gal.  
Not AIM Compliant – check local VOC restrictions before using.

**SOLIDS BY VOLUME:** 18± 1.0%

**COVERAGE:** @ 1 mil dry  
*Theoretical* - 377 square feet per gallon  
*Practical* - 301square feet per gallon

**RECOMMENDED FILM THICKNESS:** 1.5-2 mils dry

**SHELF LIFE:** One year, unopened and stored indoors at 77°F.

**DRYING TIME:** @ 77°F  
*To Touch:* 5 to 10 minutes  
*To Handle:* 15 to 20 minutes  
*To Recoat:* 30 minutes

### APPLICATION EQUIPMENT:

- 1. CONVENTIONAL SPRAY:** Apply with industrial equipment, such as DeVilbiss MBC or JGA spray gun with No. 78 or 765 Air cap, E fluid tip and needle, or Binks 2001, 18 or 62 spray gun, and a pressure pot with mechanical agitator. A moisture and oil trap in the main air supply line is required.
- 2. AIRLESS SPRAY:** Any standard airless spray equipment, such as Graco Bulldog Hydra-Spray or larger, with a .011 - .017 inch fluid tip is recommended.
- 3. BRUSH OR ROLLER:** Not recommended due to its low viscosity and fast drying characteristics. Use in small areas.
- 4.** For best results, use at temperature of 65°F or above. Do not apply when surface or ambient temperature is anticipated to drop below 50°F in 24 hours. Do not apply to damp surfaces, and surface temperature must be 5°F above the dew point for 24 hours to prevent moisture condensation, which might result in water spotting and poor film integrity.

### RECOMMENDED THINNERS:

Below 80°F: Wilko No.1 Thinner  
Above 80°F: Wilko No.13 Thinner

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

**RECOMMENDED SUBSTRATE:** Has good adhesion to properly prepared steel, copper, aluminum, and galvanized and stainless steel.

**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 adhesion and enhance overall properties of coating, and is recommended if no mill scale, heavy rust or loose paint is present and sandblasting or other mechanical ways of cleaning is not feasible.

### APPLICATION PROCEDURE:

- 1.** Stir the primer thoroughly, preferably by mechanical means. Apply full wet film with the cross coat method to insure uniform coverage and film depth.
- 2.** To assure an adequate dry, do not apply when the surface or ambient temperature is anticipated to drop below 50°F in 12 hours. Surface temperature must be at least 5° above the dew point for 24–36 hours to prevent moisture condensation which might result in water spotting and poor film integrity. Do not apply to wet or damp surfaces or surfaces which are likely to be exposed to excessive moisture before an adequate cure occurs.
- 3.** Refinishing: Remove dirt, oil or other contamination by power washing, then wet sand entire surface using a 320 grit paper or finer. Care must be exercised to avoid cutting deeply into the coating as deep cuts may result in lifting. Rough areas must be feather edged to improve appearance. Apply several coats over the rough areas, allowing each coat to thoroughly dry before applying the next coat. Allow to dry then re-sand to smooth out the surface. Re-prime (seal) the entire area to be recoated, allow a 30 minute dry, then topcoat with the desired color. NOTE: check for lifting before applying the primer.
- 4.** Check for adhesion to specific substrates before using this product to replace products like wash primer or pretreatments.

**FIRST AID:** If inhaled, remove to fresh air. If not breathing, administer artificial respiration. In case of any contact with eyes, flush with plenty of water for 15 minutes. Secure medical attention in all cases of exposure.

**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 or wear an air-supplied mask to avoid breathing concentrated vapors in enclosed areas. Keep the container closed. For additional safety information, refer to MSDS

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