

# WILKO PAINT, Inc.

WICHITA, KANSAS 67204-0089

MANUFACTURERS OF THE FINEST INDUSTRIAL FINISHES

POST OFFICE BOX 4089 • 2727 OHIO • PHONE (316)838-4288 • FAX(316)838-6328

## WILKOTHANE G CLEAR WILKO NO. 720.07

**PRODUCT DESCRIPTION:** Wilko No. 720.07 Wilkothane G Clear is a two component aliphatic acrylic polyurethane. It has excellent gloss retention and good resistance to splash and spillage of most weak acids and alkalis, salts, most solvents, and water.

**PRINCIPAL USE:** As an exterior finish for chemical processing & petrochemical plants, as well as coating for construction equipment and transportation vehicles. It is used as a clear coat over urethanes to enhance gloss and protect the color coat from chemical discoloration. This product may also be used to bring out the color and gloss of old but otherwise sound coating.

**GENERIC TYPE:** Acrylic - Polyurethane

**COLOR:** Clear

**WEIGHT PER GALLON:** 8.1±.5 lbs.

**VOC:** 4.53 lbs.(mixed)

**SOLIDS BY VOLUME:** 38 ± 1.0%

**COVERAGE:** @ 2 mils dry  
*Theoretical* - 305 square feet per gallon  
*Practical* - 244 square feet per gallon

**RECOMMENDED DFT PER COAT:** 1-2 mils

**DRYING TIME:** @ 77°F  
*To Touch:* ½ to 1 hour  
*To handle:* 2-4 hours  
*To Recoat:* 4-6 hours, overnight preferred

**FLASH POINT:** 43°F TCC

**SURFACE PREPARATION:** For best results, apply to the color coat the same day. If allowed to dry overnight surface of the color coat must be clean and dry, free from oil, grease, wax or other contaminants. If applied over old coat, surface must be power washed.

**RECOMMENDED COLOR COAT:** For optimum performance use Wilkothane HS 2-component urethanes.

**RECOMMENDED THINNER:** Wilko No. 44 or Wilko No. 101. Use No. 101 for temperatures above 90 °F. For faster dry or in cool weather add ½ to 2 ounces of T12 Accelerator or 1/4 to 1 ounce of T022 Accelerator.

**CLEAN UP THINNER:** No. 44 or MEK

**RECOMMENDED APPLICATION:** May be applied by conventional or airless spray. Brush or roll small areas. To enhance the gloss of the color coat, mix up to 50% with the color coat and apply as a final coat, or apply the clear coat as a final coat.

### APPLICATION:

1. Apply by conventional or airless spray. Mix pigmented components until uniform, then mix four volumes of pigmented component with one volume of No. 050-06 Activator.
2. **CONVENTIONAL SPRAY:** Thin approximately 25-40% by volume with No. 44 Wilkothane Thinner to 18-22 seconds viscosity on the Zahn No. 2 cup. No special gun setup is needed to apply this product. Most suction or pressure fed gun intended for applying low viscosity coating will work for this application. Examples are Binks Model 62 or 2001 Gun with a fluid tip of 63 - 66 and air cap of 63PR for pressure fed, to 66SK for siphon fed, guns. For pressure fed setup, regulate the tank pressure at 5-10 psi. Atomization pressure should be maintained at 65-75psi.
3. **AIRLESS SPRAY:** Thin approximately 10-20% by volume with No. 44 Wilkothane Thinner to 20-26 seconds viscosity on Zahn No. 2 cup. For best results use fluid tip of .010 -.015 and an air source of 80-100# using a 28:1 pump ratio (approximately 2500 psi fluid pressure). Using a larger tip or lower pressure may affect application properties of the coating and will result in air entrapment and sags.
4. Spray apply one wet tack coat and follow with a full wet coat. Hold spray gun 6-8 inches from surface and overlap each pass 25%. Allow first coat to dry for at least 16 hours @ 77°F (25°C) before applying a second coat.
5. If ambient temperature is 90°F or higher use No. 101 Retarder. Use MEK in place of No.44 in cool weather to avoid sags.
6. To avoid any contamination, use an air source with a good moisture trap and oil filter. Contamination with water will result in short pot life, poor film integrity and early coating failure. Any contamination with oil and other particulates, including water, could result in cosmetic defects (pinholing, cratering, crawling, etc.) and/or loss of adhesion.
7. Use No. 850-05 Fish Eye Eliminator if pinholing or cratering is evident. For areas that are heavily contaminated with oil, wax or other particulates that may cause surface defects, use No. 850-10 Anti-Crater at a rate of up to 4 ounces per gallon of paint. This must not be used as an alternative to proper surface cleaning prior to painting.

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**APPLICATION (cont'd):**

- 8. Allow coating to cure 3 - 5 days at 77°F before placing into service. Applicators should be made aware, especially during cool seasons or in cooler climates, that this material will require 12-16 hours curing time at 77°F for recoating, and that during this period the film is extremely vulnerable to moisture and moisture laden contaminants. Consequently, the painting schedule must be planned to include the deposition of material early enough to provide at least partial cure prior to lower nighttime temperatures and possible dew point conditions.
- 9. Curing rates are accelerated by heat and retarded by lower temperatures. Drying rates are based on 75°F. As a rule, for every 18° above 75°F the curing rate will accelerate by approximately 100%. For every 18° below 75°F the curing rate will be retarded by approximately 100%. The premature failure of fine coating systems is often caused by failure to acknowledge facts related to applying at low temperatures. This coating may not cure at temperatures of 50°F or lower. Do not apply if the average temperature is expected to go below 50°F during the next 24 hours.

**Typical Film Properties\***

|  |              |
|--|--------------|
| INITIAL 60°/20° GLOSS .....                | 95/78        |
| 500 HOURS, QUV .....                       | 89/75        |
| 1000 HOURS, QUV .....                      | 83/72        |
| PENCIL HARDNESS .....                      | H-2H         |
| DIRECT IMPACT IN-LBS .....                 | 50           |
| REVERSE IMPACT IN-LBS .....                | 20           |
| CONICAL MANDREL, PASS ...1/8 INCH DIAMETER |              |
| MEK DOUBLE RUBS .....                      | 40 NO EFFECT |
| 4 HOURS GASOLINE EXPOSURE .....            | NO EFFECT    |
| 1000 HOURS SALT FOG .....                  | EXCELLENT    |

*\*Wilkothane G applied directly to Bonderite 1000 cold rolled steel at 1.2 to 1.5 mils dry. Finish air dried 14 days at room temperature before tests were conducted.*

**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.