



# WILKO PAINT, Inc.

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MANUFACTURERS OF THE FINEST INDUSTRIAL FINISHES

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## SILICONE ALKYD HS WHITE WILKO No. 821.04

**PRODUCT DESCRIPTION:** Wilko No. 821.04 is a high quality silicone alkyd enamel that has excellent exterior durability. It has a long open time suitable for spraying large structures.

**PRINCIPAL USE:** Used extensively for the exterior surfaces of storage tanks, vessels and structural steel in industrial areas.

**COLOR:** White

**WEIGHT PER GALLON:** 9.9 ± 5 lbs.

**VOLATILE ORGANIC COMPOUNDS:** 3.2 lbs./gal

**SOLIDS BY VOLUME:** 49.5 ± 1.0%

**COVERAGE:** @ 1 mil dry  
*Theoretical* - 795 square feet per gallon  
*Practical* - 635 square feet per gallon

**RECOMMENDED DFT PER COAT:** 2-3.0 Mils

**DRYING TIME:** @ 77°F  
To Touch: 1 to 2 hours  
To handle: 6 to 8 hours  
To Recoat: Overnight

**FLASH POINT:** 103°F TCC

**RECOMMENDED APPLICATION:** May be applied by brush or roller, or conventional or airless spray.

**RECOMMENDED THINNER:** Wilko No. 1, No.2., No.10.or No.25. Use No.1 or No.25 for cool weather(60-70°F) and use No. 2 at 70-90°F. Use No. 10 for temperatures above 90 °F to retard dry and promote flow. Do not use more than 10 oz of thinner per gallon of paint to keep VOC at 3.5 or less. To keep VOC at AIM limit of 3.8# for industrial maintenance coating, do not use more than 25 ounces of thinner.

**RECOMMENDED PRIMER:** May be used DTM, but for optimum protection a primer is recommended. Use Wilko No. 491.22 CI White, 492.22 CI Gray, No. 497.105 or No. 497.50 Primer Corrosion Inhibitive Red.

**HARDENER:** This coating will dry without any hardener. For added toughness and to accelerate overnight dry especially in cool weather, use Wilko No. 050.23 or 050.43 Hardener at a rate of 8 oz per gallon. Activated material must be used within 4 hours.

**CLEAN UP THINNER:** No. 10 or Xylol

**TEMPERATURE RESISTANCE:** 200°F dry, continuous. Light colors may turn yellow at temperatures above ambient.

**SURFACE PREPARATION:** Surface must be clean and dry, free from oil, grease, wax or any other contaminants. For maximum protection of steel surfaces, dry abrasive blast to a Commercial Blast Finish in accordance with SSPC-SP6. Apply recommended primer prior to development of any surface rust then topcoat accordingly.

### APPLICATION AND EQUIPMENT:

Mix contents until homogenous, then thin as needed. Refer to Recommended Thinner, above, for thinning recommendations.

**1. CONVENTIONAL SPRAY:** Apply with industrial equipment, such 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. A moisture and oil trap in the main air supply line is required.

Following is an example of a typical gun setup for a Binks 2100:

#### Siphon Fed (Cup Gun):

Fluid Nozzle: 66SS (0.070 Orifice), Part #45-6601

Air Nozzle: 66SD, Part #46-6020

Needle: #565, Part # 47-56500

Atomization Pressure: 40-60 psi

#### Pressure Fed

Fluid Nozzle: 63CSS (0.052 Orifice) Part #45-6331

Air Nozzle: 63PB, Part #46-6002

Needle: 563A, Part #47-56310

Pot Pressure: 5-10 psi

Atomization pressure: 40-60 psi.

**2. AIRLESS SPRAY:** Use a high output airless equipment, such as Graco Bulldog Hydra-Spray or larger, with a .011 - .017 inch fluid tip and tip pressure of 2400 psi.

**3. BRUSH OR ROLLER:** Use high quality roller covers and brushes to obtain a smooth finish and minimize lap marks. If necessary, thin with No. 10 thinner, - do not overthin to avoid sagging.

**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.

**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 incidence 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 Material Safety Data Sheets.

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