



WILKO PAINT, Inc.

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MANUFACTURERS OF THE FINEST INDUSTRIAL FINISHES

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WILKODURE GLOSS WHITE WILKO NO. 761.15

PRODUCT DESCRIPTION Wilko No. 761-15 Wilkodure Gloss White Enamel is a two – component epoxy - polyester coating that is highly resistant to water, stains, detergents, chemicals and abrasion. It complies with the FDA requirements under 21 CFR 175.300 for contact with Type VIII food.

TYPICAL USES: Exterior finish for tanks, vessels, machinery, and equipment and as maintenance and decorative and protective coating for various OEM products. Wilkodure coatings are widely used in institutional environment like hospitals, schools, churches, sanitary areas and similar high traffic locations where their durable and easily cleaned surfaces are essential.

GENERIC TYPE: Proprietary

COLOR: White (available in several colors)

FINISH: High Gloss

COMPONENTS: Two

MIXING RATIO: Mix one volume of No. 761.15 to one volume of No. 060.15 Activator.

POT LIFE: Mixed material must be used within eight hours. If stored at 50°F or cooler, pot life can be extended to 24 hours.

WEIGHT PER GALLON: 10.4 ± 5 lbs (mixed)

VOC: 3.5 lbs (mixed)

SOLIDS BY VOLUME: 51.5 ± 1.0% (mixed)

COVERAGE: @ 1 mil DFT
Theoretical - 826 sq. ft./act. gal.
Practical - 660 sq. ft./act. gal.

DRYING TIME: @ 77°F
To Touch: 1-2 hours
To Recoat: 4 hours

Note: Dry time and cure of Wilkodure may be accelerated with force curing at 130-250°F.

RECOMMENDED THICKNESS: 2 to 3 mils DFT

NUMBER OF COATS: 1 to 2 recommended

VISCOSITY: @77°F (Part A) 65-70 KU
400-450 cps

Values will vary with change in temperature and may rise on aging

DRYING TIME: To Touch: 3 to 10 minutes
@ 77°F To Recoat: 2 hours

Note: Dry time and cure of Wilkofast may be accelerated with force curing at 130-250°F. Yellowing of light colors may occur.

RECOMMENDED THICKNESS: 2 to 3 mils DFT

THINNER: No. 1 or No. 13

CLEAN UP THINNER: No. 13 or MEK

TEMPERATURE RESISTANCE: Dry 200°F continuous

FLASH POINT: 761.15: 82° F TCC
060.15: 76° F TCC

RECOMMENDED SUBSTRATE: Properly prepared or primed steel .

RECOMMENDED PRIMERS: Use Wilkopon Primers. For galvanized metal or stainless steel use No. 603-08 Vinyl Primer Wash or Nos. 342-22 or 347-29. I is compatible with most primers and may also be used as DTM.

RECOMMENDED TOPCOATS: May be topcoated with Wilkodure and most 2-component paint

SURFACE PREPARATION: Surface must be clean and dry free from 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. This multi - stage surface preparation is highly recommended and is adequate for most industrial applications.

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 SP7 Blast Cleaning will afford minimum protection. For maximum protection of steel surface, dry abrasive blast to a Commercial Blast Finish in accordance with SSPC-SP6. Apply prior to development of any surface rust. Use of appropriate primer is recommended when applied to sandblasted steel surfaces. If applied DTM, apply adequate film to cover the sandblast profile.

Over old epoxy or urethane surfaces when blasting is not possible, clean surface of any oil, grease, rust, dirt and loose paint. Sand the old coating to assure proper adhesion, or apply a coat of 342.22 Wilkopon Gray Primer.

APPLICATION PROCEDURE:

1. Mix pigmented components until uniform, then mix one volume of pigmented component with one volume of Wilkodure Activator No. 060.15.
2. **CONVENTIONAL SPRAY:** Apply with industrial equipment such as DeVilbiss MBC or JGA, Binks 2001 or 2100 spray gun. Separate air and fluid pressure regulators, and moisture and oil trap in the main supply are recommended. Contamination with oil and water will result in shortened pot life, loss of adhesion, and poor film integrity.

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.

3. **AIRLESS SPRAY:** Standard airless spray like Graco, DeVilbiss, or others with a 28:1 or higher pump ratio and a .011 to .014 inch fluid tip. If pigtail is evident, change to a smaller tip, increase pressure, or do both.
4. Thinning is not normally required. If thinning is necessary for workability, use up to one pint of No. 13 Thinner per gallon of activated material. Apply a wet coat in even parallel passes, overlapping each pass 50% to avoid holidays, bare areas and pinholes. If required, follow with a spray pass at right angles to the first pass. Use No. 1 in place of No. 13 Thinner in cool weather to avoid sags
5. Do not apply coating when surface temperature is less than 5°F above the dew point to prevent moisture condensation. For satisfactory cure, air and surface temperatures must be above 50°F.
6. Use Wilko No. 850-05 Fisheye Eliminator if pinholing or cratering becomes evident during use. For areas heavily contaminated with oil, wax or other particulates that cause surface defects, use up to 4 oz. of Wilko No. 850-10 Anti-Crater per activated gallon of paint. This should not ever be used as an alternative to proper surface preparation and cleaning prior to painting.

CHEMICAL RESISTANCE:

Resists spillage of the following chemicals:

Chemical Exposure	Hours of Exposure	Rating
5% NaOH	4	Excellent
5% NaOH	24	Good
10% NA ₄ OH	24	Excellent
50% Acetic Acid	24	Excellent
Fomic Acid	1	Excellent
10% HCl	24	Excellent
10% H ₂ SO ₄	24	Excellent
1% detergent	24	Excellent
Gasoline	24	Excellent
Aromatic Solvent	4	Good
Aromatic Solvent	24	Fair
Water	24	Excellent
Ketones	1	Poor
50% Ethanol	20	Excellent

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 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.

