

WILKO PAINT, Inc.

WICHITA, KANSAS 67204-0089

MANUFACTURERS OF THE FINEST INDUSTRIAL FINISHES

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WILKOSHIELD WHITE WILKO NO. 1011.01

PRODUCT DESCRIPTION: No.1011.01 Wilkoshield White is a glass filled, pre-promoted, polyester finish coat. The laminar glass flakes provide an almost totally impermeable film, which inhibits the passage of moisture and numerous chemicals. An extremely durable coating that exhibits excellent resistance to abrasion, solvent attack and severe weathering conditions.

TYPICAL USES: Highly recommended for use on steel structures where extreme moisture, chemical, impact, and/or abrasion resistance is required

GENERIC TYPE: Glass filled polyester

COLOR: Off White

FINISH: Satin

NUMBER OF COMPONENTS: Two

MIXING : Add one to two ounces of MEK Peroxide (No.103) per gallon of base coat, mix well and use immediately.

WEIGHT PER GALLON: 11.5 pounds

VOC:(VOC in the coating if not activated) 2.9 lbs./gal.
VOC is close to zero when activated and cured.

SOLIDS BY VOLUME: 100% activated

COVERAGE: @1 mil DFT
Theoretical - 1604 sq. ft./gal.
Practical - 1283 sq. ft./gal.

RECOMMENDED DRY FILM THICKNESS: 24-30 mils

CLEAN UP THINNER: Acetone

CURING TIME: Maintenance: 24 Hours
Immersion: 72 Hours

APPLICATION EQUIPMENT: Pressure spray gun or plural component spray gun.

TEMPERATURE RESISTANCE: 250°F Dry

FLASH POINT: 86°F TCC

RECOMMENDED PRIMERS: None

RECOMMENDED TOPCOATS: None required. Slight chalking expected during normal weathering. For additional UV protection utilize Epoxies or Urethanes

SURFACE PREPARATION: Recommended substrate: sandblasted steel or properly prepared concrete.

1. **STEEL:** Blast to NACE #2 surface preparation standards (Near White) to achieve an anchor pattern of 2 mils. Apply prior to the development of any surface rust.
2. **CONCRETE:** Surface must be clean, dry and free of old paint. Sandblast with 16-80 grade sand at a reduced pressure, then acid pickle to reduce alkalinity.

APPLICATION PROCEDURE:

1. **MIXING RATIO:** Stir pigmented component until all pigment is well dispersed. Add one ounce of 1011.1B MEK Peroxide per gallon of base coat, mix well and use within 15 minutes. During extremely hot conditions, potlife and set up time will be faster-reduce the amount of MEK Peroxide to ¾ ounce per gallon. In cooler weather, increase the amount of MEK Peroxide up to 3 ounces per gallon at 50°F.
2. **THINNING:** Do not thin unless necessary for application. Use a maximum of ½ pint of styrene per gallon.
3. **EQUIPMENT:** For small jobs (requiring to a 1/2 gallon of material) use a pot with dual regulators, 1/2 inch I D fluid hose and appropriate gun (DeVilbiss MBC gun fitted with a D fluid tip and needle). **Caution:** Material will set up in 20 minutes at 70°F, 15 minutes at 85°F, faster at higher temperatures. Rinse equipment immediately with acetone. For larger jobs use heavy-duty external mix plural component apparatus. Consult your equipment supplier for proper type and setup.
4. **CURING/Gel Time:** Dries to touch in 2 - 3 hours at 70°F, dries hard in 24 hours. Cure is accelerated by heat & retarded by lower temperatures. **Due to the fast setting time (pot life) it is imperative that the material spray pot and fluid lines be shaded (protected) from direct sunlight during high heat weather. Material Pot Life may be extended by placing mixed material bucket in cold ice water. Mix no more material than can be applied in the workable pot life. Flush Fluid lines immediately with acetone.**
5. **CLEAN-UP:** Use acetone (not effective for full or partially cured material).

PHYSICAL AND CHEMICAL PROPERTIES:

Flexural Strength, ASTM D790	29,400 psi
Tensile Strength, ASTM D2370	10,000 psi
Elongation	3%
Weathering: One year -	Will Chalk
4000 Hour Salt Fog Test	Unaffected

Chemical Resistance: Resists Skydrol, seawater, Pydraul 10E, Pydrol 29ELT, Pydrol 50E, toluene, xylene, 50% N2OH, Concentrated HCl, Succinic Acid @ 10°F. See Wilko Representative for specific chemical exposure.

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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 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.