

# WILKO PAINT, Inc.

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MANUFACTURERS OF THE FINEST INDUSTRIAL FINISHES

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## WILKOSHIELD VE WHITE WILKO NO. 1011.05

**PRODUCT DESCRIPTION:** No.1011.05 Wilkoshield White is a glass filled, pre-promoted, vinyl ester finish coat. The laminar glass flakes will provide an almost totally impermeable film, which inhibits the passage of moisture and numerous chemicals. An extremely durable coating that exhibits excellent resistance to strong chemicals, abrasion, solvent attack and severe weathering conditions.

**TYPICAL USES:** Formulated as a hopper car lining to help extend surface life against the abrasive wear of bituminous coal, and for lining tanks and sumps that are exposed to strong chemicals.

**GENERIC TYPE:** Glass filled vinyl ester

**COLOR:** 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:** 10.4 pounds

**VOC:** (VOC in the coating if not activated) 1.05 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:** 25-30 mils

**CLEAN UP THINNER:** Acetone

**CURING TIME:** Maintenance: 24 Hours  
Immersion: 72 Hours

**APPLICATION EQUIPMENT:** Pressure spray gun or plural component spray gun. It may be applied by squeegee or spatula if applied in small areas.

**TEMPERATURE RESISTANCE:** 250°F Dry

**FLASH POINT:** 86°F TCC

**RECOMMENDED PRIMERS:** None

**RECOMMENDED TOPCOATS:** Epoxies or Urethanes

**RECOMMENDED SUBSTRATE:** Sandblasted steel or properly prepared concrete. When applied to flexible substrates like wood, the coating will be susceptible to cracking on aging.

### SURFACE PREPARATION:

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.
3. **WOOD:** Sweep blast at reduced pressure or sand to roughen surface.

### APPLICATION PROCEDURE:

1. **MIXING RATIO:** Stir pigmented component until all pigment is well dispersed. Add one ounce of MEK Peroxide per gallon of base coat, mix well and use within 20 minutes. During extremely hot conditions, 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 30 minutes at 70°F, faster at higher temperatures. Rinse 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:** Dries to touch in 2 - 3 hours at 70°F, dries hard in 24 hours. Cure is accelerated by heat & retarded by lower temperatures.
5. **GEL TIME:** 15 minutes for one gallon at 77°F. Pot life will be shortened when mixed in larger quantities or at higher temperature. Do not mix more than what can be applied in 15 minutes at 77°F.
6. **CLEAN UP:** Use acetone. (Not 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 - 4000 Hour Salt Fog Test	Will Chalk 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.

1011.05

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