Pro Industrial™
Waterbased Alkyd Urethane Enamel Gloss
B53-1050/2050 Series

CHARACTERISTICS

Pro Industrial Waterbased Alkyd Urethane Enamel is a premium quality interior-exterior enamel formulated with a urethane modified alkyd resin system for high performance. It provides beauty and durability when applied to interior-exterior surfaces such as properly prepared drywall, wood, masonry and metal. It brings together the convenience and ease of use of a waterborne coating with the performance and coating characteristics of a traditional oil-based enamel.

- Excellent washability & flow & leveling
- Excellent touch up
- Easy application & cleanup
- Resistant to yellowing compared to traditional alkyds
- Suitable for use in USDA inspected facilities

For use on properly prepared:
Steel, Galvanized & Aluminum, Drywall, Concrete and Masonry, and Wood.

Finish: 75°+ @60°
Color: Most colors

Recommended Spreading Rate per coat:
Wet mils: 4.0-5.0
Dry mils: 1.3-1.6
Coverage: 320-394 sq.ft. per gallon
Theoretical Coverage: 513 sq. ft. per gallon @ 1 mil dry

Application:
- Minimum 50°F / 10°C
- Maximum 100°F / 37.8°C
- Air, surface, and material at least 5°F above dew point
- Relative humidity: 85% maximum

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 4.0 mils wet, @ 50% RH:
To touch @77°F 1-2 hours
To recoat 4 hours

Tinting with CCE only:
- Base oz. per gallon
  - Extra White 0-6 SherColor
  - Deep Base 4-12 SherColor
  - Ultradeep Base 10-14 SherColor
- Extra White B53W02051 (may vary by color)
- V.O.C. (less exempt solvents): less than 50 grams per litre; 0.42 lbs. per gallon
- As per 40 CFR 59.406

Volume Solids: 32 ± 2%
Weight Solids: 49 ± 2%
Weight per Gallon: 10.68 lb
Flash Point: N/A
Vehicle Type: Urethane modified alkyd
Shelf Life: 36 months, unopened

COMPLIANCE
As of 03/10/2020, Complies with:
- OTC Yes
- OTC Phase II Yes
- SCAQMD Yes
- CARB Yes
- CARB SCM 2007 Yes
- Canada Yes
- LEED® v4 & v4.1 Emissions No
- LEED® v4 & v4.1 V.O.C. Yes
- EPD-NSF® Certification No
- MIR-Manufacturer Inventory No
- NSF® Certification No
- MPI® No

APPLICATION

Temperature:
- Minimum 50°F / 10°C
- Maximum 100°F / 37.8°C
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The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water
Airless Spray:
- Pressure 2000 p.s.i.
- Hose 1/4 inch I.D.
- Tip .013 - .017 inch
- Filter 60 mesh
- Reduction Not recommended

Brush Nylon-polyester
Roller Cover 1/4-1/2 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Steel:
- 1 coat Pro Industrial Pro-Cryl Primer
- 2 coats Pro Industrial Waterbased Alkyd Urethane

Aluminum and Galvanizing:
- 1 coat Pro Industrial Pro-Cryl Primer
- 2 coats Pro Industrial Waterbased Alkyd Urethane

Concrete Block (CMU):
- 1 coat Pro Industrial Heavy Duty Blockfiller
- 2 coats Pro Industrial Waterbased Alkyd Urethane

Concrete-Masonry:
- 1 coat Loxon Concrete & Masonry Primer (if needed)
- 2 coats Pro Industrial Waterbased Alkyd Urethane

Wood, exterior:
- 1 coat Exterior Wood Primer
- 2 coats Pro Industrial Waterbased Alkyd Urethane

Wood, interior:
- 1 coat Premium Wall & Wood Primer
- 2 coats Pro Industrial Waterbased Alkyd Urethane

The systems listed above are representative of the product’s use, other systems may be appropriate.
**SURFACE PREPARATION**

**WARNING!** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment per ASTM D3363 and SSPC-SP10. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply the test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

**Iron & Steel -** Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. Prior to testing adhesion, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance.

**Aluminum -** Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Prime the area the same day as cleaned.

**Galvanizing -** Allow to weather a minimum of six months prior to topcoating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply the test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments.

**Concrete Block -** Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 55°F (13°C) before filling. Use Pro industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

**Masonry -** All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

**Wood -** Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

**Cleanups Information**

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer’s safety recommendations when using solvents.

**DANGER:** Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

**RESISTANCE TO YELLOWING:**

Lab assessment: Excellent

**SURFACE PREPARATION**

**Previously Painted Surface -** If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

**Mildew -** Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

**SAFETY PRECAUTIONS**

Before using, carefully read CAUTIONS on label. Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

**PERFORMANCE**

**System Tested:** (unless otherwise indicated)

**Substrate:** Steel

**Surface Preparation:** SSPC-SP10

**Finish:** 1 coat Waterbased Alkyd Urethane, 5 W.F.T.

**Adhesion:**

**Method:** ASTM D3359 method B

**Result:** 4B

**Pencil Hardness:**

**Method:** ASTM D3363

**Result:** 5H

**Flexibility:**

**Method:** Method: ASTM D522, 180°bend, 1/4" mandrel

**Result:** Pass

**Dry Heat Resistance:**

**Method:** ASTM D2485

**Result:** 200°F

**Block Resistance:**

**Lab assessment:** Excellent

**Resistance to Yellowing:**

**Lab assessment:** Excellent

No painting should be done immediately after a rain or during foggy weather. Do not paint on wet surfaces. Check adhesion by applying a test strip to determine the readiness for painting.