Pro Industrial Urethane Alkyd Enamel
B54-150 Series

**CHARACTERISTICS**

Pro Industrial Urethane Alkyd Enamel is a high gloss coating intended for interior/exterior use in industrial environments. It is easy to brush, roll or spray. Provides performance comparable to silicone alkyds.

**For use on properly prepared**

Steel, Concrete, Wood, Plaster, Previously painted, Primed Galvanized & Aluminum, 

**Features:**
- Modified with urethane resin for increased exterior durability
- Resistant to chipping and flaking
- Resists premature yellowing compared to conventional alkyds
- Abrasion resistance
- Appropriate for interior and exterior applications
- Excellent application characteristics
- Suitable for use in USDA inspected facilities

**Recommended for use in:**
- Interior-exterior • New construction • Railings-frames
- Machinery • Structural Steel • Steel doors • Steel supports • Equipment • Repairs • Storage tanks • Bar joists • Pipe marking • Fire escapes • Conveyors

**Recommended Spreading Rate per coat:**

| Wet mils | 3.5-7.0 |
| Dry mils | 2.0-4.0 |

**Theoretical coverage:**

per gallon @ 1 mil dry

Approximate spreading rate is calculated on volume solids and do not include any application loss. 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:**

- @45°F | @77°F | @120°F

- To touch | 4 hours | 2.5 hours 30 minutes
- Tack free | 10 hours | 4 hours 2 hours
- To recoat | 36 hours | 18 hours 8 hours
- To cure | 7 days | 7 days 5 days

**Tinting with BAC or Maxitoner:**

<table>
<thead>
<tr>
<th>Base</th>
<th>oz. per gallon</th>
<th>Strength</th>
<th>Extra White</th>
<th>0-6</th>
<th>SherColor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultradep Base</td>
<td>4-12</td>
<td>SherColor</td>
<td>Extra White</td>
<td>B54W00151</td>
<td></td>
</tr>
</tbody>
</table>

Check color before using. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

**Finish:**

- 75° *| 60°* Gloss

**V.O.C. (less exempt solvents):**

As mixed

333 grams per litre; 2.78 lbs. per gallon

As per 40 CFR 59.406

**Volume Solids:**

57 ± 2%

**Weight Solids:**

71 ± 2%

**Weight per Gallon:**

9.69 lb

**Flash Point:**

104°F TCC

**Shelf Life:**

36 months, bases

12 months, colors

**COMPLIANCE**

As of 02/13/2020, Complies with:

| OTC | Yes |
| OTCPHase II | No |
| SCAQMD | No |
| CARB | No |
| CARB SCM 2007 | No |
| Canada | Yes |
| LEED® v4 & v4.1 Emissions | No |
| LEED® v4 & v4.1 V.O.C. | No |
| EPD-NSF® Certified | No |
| MIR-Product Lens Certified | No |
| MPI | No |

**APPLICATION**

**Temperature:**

- minimum 40°F / 4.4°C
- maximum 120°F / 49°C

**Relative humidity:**

85% maximum

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:**

No reduction in restricted areas

Mineral Spirits, R1K4 or Xylene, R2K4

**Airless Spray:**

- Pressure: 1800 p.s.i.
- Hose: 3/8 inch I.D.
- Tip: .017-.019 inch
- Filter: 60-100 mesh

**Conventional Spray:**

- Gun: Binks 95
- Fluid Nozzle: 66
- Air Nozzle: 63PB
- Atomization Pressure: 50 p.s.i.
- Fluid Pressure: 20-25 p.s.i.
- Reduction: As needed up to 10% by volume
- Brush: Natural Bristle
- Roller Cover: 1/4-3/8 inch lambswool or synthetic cover

**APPLICATION**

- To maintain VOC compliance of 340 g/L, only a 2% reduction of Mineral Spirits, R1K4 is allowed.

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

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use. Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

**SPECIFICATIONS**

**Steel Alkyd Primer:**

1 coat Kem Bond HS Primer

or

1 coat Kem Kromik Universal Metal Primer

1-2 coats Pro Industrial Urethane Alkyd Enamel

**Steel Acrylic Primer:**

1 coat Pro Industrial Pro-Cryl Primer

1-2 coats Pro Industrial Urethane Alkyd Enamel

**Aluminum:**

1 coat DTM Wash Primer

1-2 coats Pro Industrial Urethane Alkyd Enamel

**Galvanizing:**

1 coat DTM Wash Primer

1-2 coats Pro Industrial Urethane Alkyd Enamel

**Concrete Block:**

1 coat Pro Industrial Heavy Duty Block Filler

1-2 coats Pro Industrial Urethane Alkyd Enamel

**Wood, Interior:**

1 coat Exterior Oil-Based Wood Primer

1-2 coats Pro Industrial Urethane Alkyd Enamel

**Wood, Exterior:**

1 coat Premium Wall & Wood Primer

1-2 coats Pro Industrial Urethane Alkyd Enamel

**Wood, floors (Foot traffic):**

1-2 coats Pro Industrial Urethane Alkyd Enamel

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

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that can be hazardous to health. 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 and cleanup. For more information call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP-SP3 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, blast cleaning 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. Primer required. Primer required.

Galvanizing - Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. When the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, blast cleaning 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. Primer required.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, 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(23.9°C). Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for a year prior to surface preparation and painting. 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 alkali resistant primer, following label recommendations. Primer required.

Drywall - Must be dry and clean. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting. Exterior surfaces must be spackled with exterior grade compounds. Primer required.

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. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile. Self priming.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative for additional technical data and instructions.