### 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 |
| Coverage sq. ft. per gallon: | 228-457 |
| Theoretical coverage sq. ft. per gallon: | 914 |

**Dry mils:**

- @45°F
- @77°F
- @120°F

- To touch: 4 hours
- Tack free: 10 hours
- To recoat: 36 hours
- To cure: 7 days

**Application**

- Temperature:
  - minimum: 40°F / 4.4°C
  - maximum: 120°F / 49°C
- Relative humidity:
  - At least 5°F above dew point
- Reducer:
  - No reduction in restricted areas

**Color:**

- Extra White, Ultradep, Black and Safety Colors

<table>
<thead>
<tr>
<th>Color</th>
<th>Base</th>
<th>oz. per gallon</th>
<th>Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra White</td>
<td>0-6</td>
<td>SherColor</td>
<td></td>
</tr>
<tr>
<td>Ultradep Base</td>
<td>4-12</td>
<td>SherColor</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 of 07/31/2020, Complies with:

<table>
<thead>
<tr>
<th>OTC</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTC Phase II</td>
<td>No</td>
</tr>
<tr>
<td>SCAQMD</td>
<td>No</td>
</tr>
<tr>
<td>CARB</td>
<td>No</td>
</tr>
<tr>
<td>CARB SCM 2007</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Yes</td>
</tr>
<tr>
<td>LEED v4 &amp; v4.1 Emissions</td>
<td>No</td>
</tr>
<tr>
<td>LEED v4 &amp; v4.1 V.O.C.</td>
<td>No</td>
</tr>
<tr>
<td>EPD-NSF Certified</td>
<td>No</td>
</tr>
<tr>
<td>MIR-Manufacturer Inventory</td>
<td>No</td>
</tr>
<tr>
<td>MPI</td>
<td>No</td>
</tr>
</tbody>
</table>

**APPLICATION**

- Pressure: 1800 p.s.i.
- Tip: 3/8 inch I.D.
- Air: 0.17-0.19 inch
- Film: 60-100 mesh
- Binks 95

**Reduction**

- As needed up to 10% by volume

**Airless Spray**

- Gun
- Fluid Nozzle: 63PB
- Air Nozzle: 80-25 p.s.i.
- Atomization Pressure: 50 p.s.i.
- Fluid Pressure: 20-25 p.s.i.
- Roller: Natural Bristle

**Clear Coats**

- 1/4-3/8 inch lambswool

<table>
<thead>
<tr>
<th>Rollers</th>
<th>Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-2 coats Pro Industrial Urethane Alkyd Enamel</td>
<td>1-2 coats Pro Industrial Urethane Alkyd Enamel</td>
</tr>
</tbody>
</table>

**Flash Point:**

- Weight Solids: 71 ± 2%
- Weight per Gallon: 9.69 lb

**Theoretical coverage**

<table>
<thead>
<tr>
<th>sq. ft. per gallon</th>
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<tbody>
<tr>
<td>333 grams per litre; 2.78 lbs. per gallon</td>
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</tbody>
</table>

**SPECIFICATIONS**

#### Steel Alkyd Primer:

- 1 coat Kem Bond HS Primer
- 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, Exterior:

- 1 coat Exterior Oil-Based Wood Primer
- 1-2 coats Pro Industrial Urethane Alkyd Enamel

#### Wood, Interior:

- 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 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 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-3. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. 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 brushing 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, Masonry dust, etc. Clean per SSPC-SP13-Nace 6- ICI No. 310.2R, CSP 1-3. Pour, trowel, 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 one 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 clean and dry. 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 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.

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 dullled 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.

PERFORMANCE

Extra White B54W00151
System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
Primer: 1 coat Kem Bond HS @ 1.9 Mils D.F.T.
Finish: 1 coat Pro Industrial Urethane Alkyd @ 2.0 Mil D.F.T.
Abrasive Resistance: Method: ASTM D4060
Result: 79 mg loss
Adhesion: Method: ASTM D4541
Result: 522 p.s.i.
Corrosion Weathering: Method: ASTM D5894, 10 cycles
Result: Rating 10, per ASTM D714 for blistering. Rating 10 per ASTM D1654 for corrosion
Direct Impact Resistance: Method: ASTM D2794
Result: 60 inch lb.
Dry Heat Resistance: Method: ASTM D2485
Result: 200°F
Flexibility: Method: ASTM D522,1/4 inch mandrel
Result: Pass
Humidity Resistance: Method: ASTM D4585, 500 hours
Result: Rating 2 per ASTM D714 for blistering. Rating 10 per ASTM D1654 for corrosion
Pencil Hardness: Method: ASTM-D3363
Result: 2B
Water Vapor Permeance (US): 5.80 perms
ASTM D1653 grains/(hr ft2 in Hg)

SAFETY PRECAUTIONS

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

CLEANUP INFORMATION

Clean spills, spatters & tools with compliant cleanup solvent. 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.

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