



PRO

INDUSTRIAL™

URETHANE ALKYD ENAMEL

B54W00151 Extra White
B54T00154 Ultradeep Base
B54B00155 Black
B54R00158 Safety Red
B54Y00157 Safety Yellow

As of 05/12/2017, Complies with:

OTC	Yes	LEED® 09 NC CI	No
OTC Phase II	No	LEED® 09 CS	No
SCAQMD	No	LEED® 09 H	No
CARB	No	LEED® v4 Emissions	No
CARB SCM 2007	No	LEED® v4 VOC	No
Canada	Yes	MPI	

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.

- 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

Color: Most Colors

Recommended Spread Rate per coat:

Wet mils: 3.5 - 7.0

Dry mils: 2.0 - 4.0

Coverage: ~231 - 462 sq ft/gal

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

Drying Time @ 4.0 mils wet 50% RH:

45°F 77°F 120°F

To touch: 4 hrs 2½ hrs 30 min

Tack free: 10 hrs 4 hrs 2 hrs

To recoat: 36 hrs 18 hrs 8 hrs

To cure: 7 days 7 days 5 days

Drying time is temperature, humidity, and film thickness dependent.

Finish: 75°+@60° Gloss

Flash Point: 103°F, TCC

Shelf Life:

36 months, unopened extra white & ultradeep.

12 months package colors. Store indoors at 40°F to 100°F.

Tinting with Blend-A-Color or MaxiToner:

Base oz/gal Strength

Extra White 0-6 100%

Ultradeep 4-12 100%

B54W00151 (may vary by color)

VOC (less exempt solvents): Unreduced:

326 g/L - 2.72 lb/gal

As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 58% ± 2%

Weight Solids: 72% ± 2%

Weight per Gallon: 9.75 lb

RECOMMENDED SYSTEMS

Steel (alkyd primer):

1 ct. Kem Bond HS Primer

1-2 cts. Pro Industrial Urethane Alkyd

Aluminum:

1 ct. DTM Wash Primer

1-2 cts. Pro Industrial Urethane Alkyd

Galvanized Metal:

1 ct. Galvite HS

1-2 cts. Pro Industrial Urethane Alkyd

Concrete Block:

1 ct. Heavy Duty Block Filler

1-2 cts. Pro Industrial Urethane Alkyd

Interior Plaster and Poured Concrete:

1 ct. Loxon Concrete & Masonry Primer

1-2 cts. Pro Industrial Urethane Alkyd

Drywall:

1 ct. ProMar 200 Zero VOC Latex Primer

1-2 cts. Pro Industrial Urethane Alkyd

Wood Floors (Foot Traffic):

1-2 cts. Pro Industrial Urethane Alkyd

System Tested: (unless otherwise indicated)

Substrate: Steel

Surface Preparation: SSPC-SP10

1 ct. Kem Bond HS Primer

1 ct. Pro Industrial Urethane Alkyd Enamel

Abrasion

Method: ASTM D4060, C517 wheel,
1000 cycles, 1 kg load

Result: 175 mg loss

Adhesion

Method: ASTM D4541

Result: 392 psi

Direct Impact Resistance

Method: ASTM D2794

Result: 60 in. lbs.

Dry Heat Resistance

Method: ASTM D2485

Result: 200°F (93°C) (discolors)

Flexibility

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

Result: Passes

Humidity Resistance

Method: ASTM D4548, 500 hours

Result: Rating 10 per ASTM D610 for
Rusting; Rating 10 per ASTM
D714 for Blistering

Pencil Hardness

Method: ASTM D3363

Result: B

Salt Fog Resistance

Method: ASTM B117, 500 hours

Result: Rating 10 per ASTM D610 for
Rusting; Rating 10 per ASTM

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.

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. For better performance, use Commercial Blast Cleaning per SSPC-SP6/NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum (Untreated) - Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Primer required.

Galvanized Steel (Untreated) - Allow to weather a minimum of six months prior to coating. 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 a 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. Primer required. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Masonry and Concrete—For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI No. 310.2, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids. 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. Laitance must be removed. Brick must be allowed to weather for one year prior to surface preparation and painting. Primer required.

Wood - Surface must be clean, dry, and sound. Paint as soon as possible. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed. 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.

Previously Painted Surfaces - 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, or if this product attacks the previous finish, removal of the previous coating may be necessary. 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.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating below minimum recommended spreading rate will adversely affect coating performance.

SAFETY PRECAUTIONS

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY.**

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.

APPLICATION

Refer to the SDS before using

Temperature: 40°F minimum
120°F maximum
(air, surface, and material)
At least 5°F above dew point

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/Clean Up

Mineral Spirits, R1K4* or Xylene, R2K4

Airless Spray

Pressure 1800 psi minimum
Hose 3/8" ID
Tip017" - .019"
Filter 60 - 100 mesh
Reduction..... As needed up to 10% by volume

Conventional Spray

Gun Binks 95
Fluid Nozzle..... 66
Air Nozzle 63PB
Atomization Pressure50 psi
Fluid Pressure 20-25 psi
Reduction..... As needed up to 10% by volume

Brush

Brush..... Natural Bristle
Reduction..... As needed up to 10% by volume

Roller

Cover
1/4 - 3/8" lambswool or synthetic cover
Reduction..... As needed up to 10% by volume

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

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.

HOTW B54W00151 05/12/2017 17 326
FRC, SP