



PRO

INDUSTRIAL™

WATERBASED ALKYD URETHANE ENAMEL

B53-1051
B53-1151
B53-1251

GLOSS
SEMI- GLOSS
LOW SHEEN

As of 04/23/2019, Complies with:

OTC	Yes	LEED® 09 NC CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAQMD	Yes	LEED® v4 Emissions	No
CARB	Yes	LEED® v4 VOC	Yes
CARB SCM2007	Yes		
Canada	Yes	MPI	

PRODUCT DESCRIPTION

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

PRODUCT CHARACTERISTICS

Color: most colors

Extra White B53W01051

Recommended Spread Rate per coat:

Wet mils: 4.0 - 5.0

Dry mils: 1.4 - 1.7

Coverage: 320 - 400 sq ft/gal (7.85-9.81 m²/L)

Approximate spreading rates are 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 Time @ 4.0 mils wet 50% RH:

@ 77°F

To touch: 1-2 hrs

To recoat: 4 hrs

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

Finish: 75+ @ 60° Gloss

55-70 @ 60° Semi-Gloss

15-25 @ 60° Low Sheen

Tinting with CCE:

Base oz/gal Strength

Extra White 0 - 6 SherColor

Extra White B53W01051

(may vary by color and base)

VOC (less exempt solvents):

<50 g/L; <0.42 lb/gal

As per 40 CFR 59.406

Volume Solids: 34 ± 2%

Weight Solids: 47 ± 2%

Weight per Gallon: 10.28 lb, (4.66kg)

Flash Point: N/A

Vehicle Type: Urethane modified alkyd

RECOMMENDED SYSTEMS

Steel:

1ct. Pro Industrial Pro-Cryl Primer
2cts. Pro Industrial Waterbased Alkyd Urethane

Aluminum:

1ct. Pro Industrial Pro-Cryl Primer
2cts. Pro Industrial Waterbased Alkyd Urethane

Galvanizing:

1ct. Pro Industrial Pro-Cryl Primer
2cts. Pro Industrial Waterbased Alkyd Urethane

Concrete Block:

1ct. Heavy Duty Block Filler
2cts. Pro Industrial Waterbased Alkyd Urethane

Concrete/Masonry:

1ct. Loxon Concrete & Masonry Primer
2cts. Pro Industrial Waterbased Alkyd Urethane

Drywall:

1 ct. ProMar 200 Zero VOC Primer
2 cts. Pro Industrial Waterbased Alkyd Urethane

Wood, Exterior:

1 ct. Exterior Wood Primer
2 cts. Pro Industrial Waterbased Alkyd Urethane

Wood, Interior:

1 ct. Premium Wall & Wood Primer
2 cts. Pro Industrial Waterbased Alkyd Urethane

The systems listed above are representative of the product's use, other systems may be appropriate.

System Tested: (unless otherwise indicated)

Substrate: Cold Rolled Steel

Finish: 1 ct. Pro Industrial Waterbased Alkyd Urethane
5 mils wet

Adhesion:

Method: ASTM D4541

Result: > 600 psi

Pencil Hardness:

Method: ASTM D3363

Result: 5H, 7 day dry

Flexibility:

Method: ASTM D522, 180° bend,

1/8" mandrel

Result: Excellent no cracking

Dry Heat Resistance:

Method: ASTM D2485

Result: 200°F

Block Resistance:

Lab assessment Excellent

Resistance to Yellowing:

Lab assessment Excellent

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SHERWIN-WILLIAMS.

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.

Do not use hydrocarbon solvents for cleaning.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Prime the area the same day as cleaned.

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 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. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

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 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/ 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 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.

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, 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.

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 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.

PERFORMANCE TIPS

No painting should be done immediately after a rain or during foggy weather. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. Apply coating evenly while maintaining a wet edge to prevent lapping.

APPLICATION

Refer to the SDS before using.

Temperature: 50°F(10°C) minimum
100°F(37.8°C) 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: Water

Airless Spray

Pressure2000 psi
Hose 1/4" ID
Tip013" - .017"
Filter 60 mesh
ReductionNot recommended

Brush Nylon / polyester
ReductionNot recommended

Roller 1/4-1/2" woven
ReductionNot recommended

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

CLEANUP INFORMATION

Clean spills, splatters, 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.

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