



PRO

INDUSTRIAL™

113.41

PRE-CATALYZED WATERBASED EPOXY SEMI-GLOSS

As of 05/04/2018, Complies with:			
OTC	Yes	LEED® 09 NC, CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAQM	Yes	LEED® V4 Emission	Yes
CARB	Yes	LEED® V4 VOC	Yes
CARB SCM 2007	Yes		
Canada	Yes	MPI	Yes



K46W01151 Extra White
K46W01153 Deep Base
K46T01154 Ultradeep Base

CHARACTERISTICS

Pro Industrial Pre-Catalyzed Waterbased Semi-Gloss Epoxy is a single-component pre-catalyzed waterborne acrylic epoxy that offers the adhesion, durability and resistance to stains and most cleaning solvents usually characteristic of two-component waterborne acrylic epoxy products.

This product can be applied over a wide variety of primers on properly prepared interior metal, wood, masonry, plaster and drywall.

- Interior institutional/commercial high maintenance areas
- Upgrade surfaces painted with conventional coatings
- High performance protection system with excellent adhesion
- Chemical resistant
- Institutional dining and kitchen areas, Hospitals and Schools
- Suitable for use in USDA inspected facilities

Color: most colors

Recommended Spread Rate per coat:

4.0 mils wet; 1.4 mils dry
350 - 400 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, 77°F:
temperature and humidity dependent

Touch: 1 hour

Recoat: 8 hours

Drying time is temperature, humidity, and film thickness dependent. If this product dries 72 hours or longer it must be sanded before it is recoated. This product is fully dry in approximately 5 - 7 days.

Finish:

Semi-Gloss 50-60 units @ 60°
70-80 units @ 85°

Shelf Life: 36 months, unopened

Tinting with CCE:

Use SherColor Formulation System

Extra White K46W01151

(may vary by base)

VOC (less exempt solvents):

<50 g/L; .42 lb/gal

Volume Solids: 35 ± 2%

Weight Solids: 48 ± 2%

Weight per Gallon: 10.39 lb ± 0.2 lb

Flash Point: N/A

Mildew Resistant This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

RECOMMENDED SYSTEMS

Block

1ct. Pro Industrial Heavy Duty Block Filler

2cts. Pro Industrial Pre-Catalyzed Epoxy

Drywall

1ct. ProMar 200 Zero VOC Primer

2cts. Pro Industrial Pre-Catalyzed Epoxy

Masonry

1ct. Loxon Concrete & Masonry Primer

2cts. Pro Industrial Pre-Catalyzed Epoxy

Steel, Aluminum, Galvanized

1ct. Pro Industrial Pro-Cryl Primer

Or

1ct. Pro Industrial DTM Primer/Finish

2cts. Pro Industrial Pre-Catalyzed Epoxy

Wood

1ct. Premium Wall and Wood Primer

2cts. Pro Industrial Pre-Catalyzed Epoxy

System Tested:

Substrate: Steel

Surface Preparation: SSPC-SP6

Primer: 1ct. Pro Industrial DTM Acrylic Primer Finish

Finish: 1ct. Pro Industrial Pre-Catalyzed Epoxy Semi-Gloss Extra White, K46W01151

Adhesion

Method: ASTM D3359

Result: 4B

Darker colors require longer cure time for same level of adhesion

Pencil Hardness:

Method: ASTM D3363

Result: 2B

Block Resistance:

(7 day cure @ 3 mil DFT).

Lab Assessment Excellent

Water Vapor Permeance

Based on ASTM D1653 18.40 Perms

Scrub Resistance

Method: ASTM D2486

Result: 450 - 600 cycles
with Stiff Bristle Brush and Pumice Scrub Media, with shim

Chemical Resistance:

1 hour exposure, direct to dry film

(28 day cure)

Stain Resistance:

1 hour exposure, direct to dry film

(4 day cure)

Excellent Resistance	•
Limited Resistance	x

- Distilled water room temperature
- Ethanol.....
- 10% Acetic Acid
- 25% Sodium Hydroxide
- 50% Sulfuric Acid.....
- 5% Phosphoric Acid.....
- 10% Hydrochloric Acid.....
- Methanol
- *Motor oil / Vegetable oil
- *Mineral Spirits.....

*2 hour exposure

Excellent Resistance	•
Limited Resistance	x

- Mustard.....
- Grape Juice.....
- Red Crayon.....
- Lipstick, Red
- Ink.....x
- Coffee
- Tea.....
- Ketchup.....

PRO INDUSTRIAL™ PRE-CATALYZED WATERBASED EPOXY



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. 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 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 Surfacers. 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.

Drywall - Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust. Prime the area the same day as cleaned.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes and imperfections must be properly filled or sealed and sanded smooth.

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 above maximum or below minimum recommended spreading rate may 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

Not for use on surfaces continuously wet or under water, such as bath tubs, sinks, showers, or countertops. Not for floors.

APPLICATION

Refer to the SDS before use.

Temperature: 50°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.

Airless Spray

Pressure..... 1800 - 2700 psi
Hose..... 1/4" ID
Tip015" - .021"
Filter 60 mesh
Reduction..... Not recommended

Brush Nylon / polyester
Reduction..... Not recommended

Roller 1/4 - 1/2" woven
Reduction..... Not recommended

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

CLEANUP 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.

HOTW 05/04/2018 K46W01151 04 41

FRC, SP, KOR

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 or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.