



PRO INDUSTRIAL™ PRE-CATALYZED WATER BASED EPOXY

**EXCEPTIONAL PERFORMANCE.
PROCESS EFFICIENT.
PRO INDUSTRIAL DELIVERS.**

Engineered to provide the adhesion and performance of a two-component epoxy, Pro Industrial Pre-Catalyzed Water Based Epoxy delivers proven performance with the ease of a one-component system. Waterborne and process efficient, Pro Industrial Pre-Catalyzed Water Based Epoxy is an exceptional product choice when you need to balance the needs of busy commercial areas with the performance properties these spaces require.





KEY BENEFITS:

- ✓ Single-component epoxy drives higher efficiency
- ✓ Exceptional chemical resistance
- ✓ Very good abrasion resistance
- ✓ Long-term durability in high-traffic areas
- ✓ No sweat in time or pot-life — ready to use
- ✓ Waterborne for application in occupied areas
- ✓ Available in Eg-shel and Semi-gloss sheens and full range of colors

KEY USES:

- ✓ Bathrooms and locker rooms
- ✓ Hospital, school, and transit corridors
- ✓ Manufacturing facilities and warehouses
- ✓ Correctional institutions
- ✓ Laboratories

COMPLIES WITH*:

OTC	Yes
SCAQMD	No
CARB	Yes
CARB SCM 2007	Yes
MPI	Yes
LEED® 09 CI	Yes
LEED® 09 NC	Yes
LEED® 09 CS	Yes
LEED® 09 S	Yes
NGBS	Yes

*As of 08/26/2014

PRO INDUSTRIAL™ PRE-CATALYZED WATER BASED EPOXY

High-traffic areas demand exceptionally durable coatings. Pro Industrial Pre-Catalyzed Water Based Epoxy delivers, combining the long-lasting performance qualities of an industrial coating with the aesthetics of an architectural paint.

This one-component, water based acrylic epoxy provides the performance typical of solvent-based epoxies and the adhesion properties expected of a two-component product. Designed to meet the performance demands of the most challenging commercial spaces, Pro Industrial Pre-Catalyzed Water Based Epoxy offers lasting protection against stains and abrasion, and is suitable for use in USDA-inspected facilities. And with a water based formula, this product can be applied in occupied areas, reducing downtime and disruptions in high-traffic areas like transit hubs, institutional restrooms, and commercial facilities.

This premium coating reduces the need for repaints and offers significant savings on long-term maintenance costs. Rely on Pro Industrial Pre-Catalyzed Water Based Epoxy for durability and protection in high-traffic commercial and industrial spaces. With easy application, excellent final appearance, and trusted performance, it is your proven choice for protecting the most challenging public environments.

PRO INDUSTRIAL: SETTING THE STANDARD FOR HIGH-PERFORMANCE COATINGS.

When performance and appearance matter, trust the time-proven line of Pro Industrial coatings from Sherwin-Williams to ensure exceptional durability and lasting aesthetics. These innovative technologies are engineered to withstand high traffic and demanding conditions, making them ideal for busy commercial and institutional environments. Backed by more than 145 years of experience and the support of 2,400 field reps and 4,000 Sherwin-Williams stores, Pro Industrial is truly the professional's choice when performance is critical.

To learn more, contact your Sherwin-Williams representative or call **1-800-524-5979** to have a representative contact you.





PRO INDUSTRIAL™

PRE-CATALYZED WATERBASED EPOXY

K45-150 SERIES EG-SHEL
K46-150 SERIES SEMI-GLOSS

As of 06/24/2015, Complies with:			
OTC	Yes	LEED® 09 CI	Yes
SCAQMD	No	LEED® 09 NC	Yes
CARB	Yes	LEED® 09 CS	Yes
CARB SCM 2007	Yes	NGBS	Yes
MPI	Yes		

CHARACTERISTICS

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

These products 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 with a high performance protection system with excellent adhesion
- Corrosion and Chemical resistant
- Hospitals and Schools
- Institutional dining and kitchen areas
- Suitable for use in USDA inspected facilities

Color: most colors

Recommended Spread Rate per coat:
4.0 mils wet; 1.5 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 cured in approximately 5 - 7 days.

Finish:

Eg-Shel 20 - 30 units @ 85°
Semi-Gloss 55 - 65 units @ 60°

Flash Point: N/A

Shelf Life: 36 months, unopened
Store indoors at 40°F to 100°F.

Tinting with CCE or BAC:

Use SherCOLOR Formulation System
K45W00151

VOC (less exempt solvents):

135 g/L; 1.12 lb/gal

Volume Solids: 36 ± 2%

Weight Solids: 51 ± 2%

Weight per Gallon: 10.63 lb ± 0.2 lb

RECOMMENDED SYSTEMS

Block

- 1 ct. Loxon Block Surfacer
- 2 cts. Pro Industrial Pre-Catalyzed Epoxy

Drywall

- 1 ct. ProMar 200 Zero VOC Primer
- 2 cts. Pro Industrial Pre-Catalyzed Epoxy

Masonry

- 1 ct. Loxon Concrete & Masonry Primer
- 2 cts. Pro Industrial Pre-Catalyzed Epoxy

Steel, Aluminum, Galvanized

- 1 ct. Pro Industrial Pro-Cryl Primer
- 2 cts. Pro Industrial Pre-Catalyzed Epoxy

Wood

- 1 ct. Premium Wall and Wood Primer
- 2 cts. Pro Industrial Pre-Catalyzed Epoxy

System Tested:

Substrate: Steel
Surface Preparation: SSPC-SP6
Primer: 1 ct. DTM Acrylic Primer
Finish: 1 ct. Pro Industrial Pre-Catalyzed Epoxy Eg-Shel

Adhesion

Method: ASTM D3359
Result: 5B
100% Adhesion for light colors; Darker colors require longer cure time for same level of adhesion

Block Resistance

Lab Assessment Excellent

Pencil Hardness:

Method: ASTM D3363
Result: 2B

Scrub Resistance

Method: ASTM D 2486
Result: 500 - 600cycles with Stiff Bristle Brush and Pumice Scrub Media

Chemical Resistance

ASTM D 1308 Rating:

Excellent Resistance	•
Limited Resistance	x

- Distilled Water (Hot and at Room Temperature) •
- Ethyl Alcohol •
- Vinegar (3% acetic acid) •
- Alkali (10% Sodium Hydroxide)..... •
- Acid (10% Sulfuric Acid)..... •
- Soap (10% Fantastik®)..... •
- 50/50 Xylene/Mineral Spirits •

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

Stain Resistance

ASTM D 3023 Rating:

Excellent Resistance	•
Limited Resistance	x

- Mustard •
- Grape Juice..... •
- Red Crayonx
- Lipstick, Red •
- Permanent Ink.....x
- Coffee •
- 10% Sodium Hydroxide (alkali) •
- Acetic Acid •

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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 including mildew by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. with an appropriate primer/sealer.

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. Primer recommended for best performance.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

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-SP7 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 and Masonry - For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI 03732, CSP 1-3. Surfaces should be thoroughly cleaned and dry. Surface temperatures must be at least 55°F before filling. If required for a smoother finish, use the recommended filler/surfacer. The filler/surfacer must be thoroughly dry before topcoating per manufacturer's recommendations.

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.

Wood - Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand 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.

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.

CAUTION

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

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