PRO INDUSTRIAL™

113.01

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 Crayon.....x
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
Tip ..... .015" - .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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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.