CHARACTERISTICS

Pro Industrial Pre-Catalyzed Waterbased Eg-Shel 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: Eg-Shel
- 15-25 units@ 80°
- 25 - 35 units@ 85°

Shelf Life: 36 months, unopened

Tinting with CCE: Use SherColor Formulation System

Extra White K45W01151
(may vary by base)

VOC (less exempt solvents):
<50 g/L ; .42 lb/gal

Volume Solids: 36 ± 2%
Weight Solids: 50 ± 2%
Weight per Gallon: 10.57 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: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP6
Primer: 1 ct. Pro Industrial DTM Acrylic Primer Finish
Finish: 1 ct. Pro Industrial Pre-Catalyzed Epoxy Eg-Shel Extra White, K45W01151

Adhesion
Method: ASTM D3359
Result: 5B

Pencil Hardness:
Method: ASTM D3363
Result: 2B

Darker colors require longer cure time for same level of adhesion

Block Resistance:
(7 day cure @ 3 mil DFT)
Lab Assessment Excellent

Water Vapor Permeance
Based on ASTM D1653 15.17 Perms

Chemical Resistance:
1 hour exposure, direct to dry film
(28 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

Scrub Resistance
Method: ASTM D2486
Result: 500 - 600 cycles with Stiff Bristle Brush and Pumice Scrub Media, with shim

Stain Resistance:
1 hour exposure, direct to dry film
(4 day cure)

Excellent Resistance • Limited Resistance x

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

As of 05/04/2018, Complies with:
OTC Yes LEEP 09 NC, CI Yes
OTC Phase II Yes LEEP 08 CS Yes
SLAUPM Yes LEEP V4 Emission Yes
CARB Phase II Yes LEEP V4 VOC Yes
CARB SCM 2007 Yes
Canada Yes MPI Yes

113.40
PRE-CATALYZED WATERBASED EPOXY
EG-SHEL
K45W01151 Extra White
K45W01153 Deep Base
K45T01154 Ultradeep Base

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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.

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 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.

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.