### Characteristics

**Water Based Catalyzed Epoxy** is a two-component water-based, catalyzed, acrylic epoxy resin coating formulated for high performance use in industrial and commercial environments.

**Features:**
- Chemical resistant
- Impact and abrasion resistance
- Wash and scrub resistant
- Flash rust resistant
- Suitable for use in USDA inspected facilities

**For use on properly prepared:** Steel, galvanized & aluminum, concrete and masonry, wood, drywall and previously painted.

**Recommended for use in:** Hospitals, schools, pharmaceutical houses, institutional kitchens, storage tanks & piping & structural steel, manufacturing facilities and new construction.

**Finish:**
- 60°+ @ 60° Gloss
- 35-45°+ @ 60° Semi-Gloss

**Color:** Most colors

**Recommended Spreading Rate per coat:**
- Wet mils: 6.5-8.0
- Dry mils: 2.5-3.0
- Coverage: sq. ft. per gallon: 203-243

**Theoretical Coverage:**
- sq. ft. per gallon @ 1 mil dry

**Drying Schedule @ 8.0 mils wet, @ 50% RH:**
- Drying and recoat times are temperature, humidity, and film thickness dependent.

**Painting Schedule:**
- Spray: 1/4 inch I.D.
- Apply 2 coats 48 hrs. after application.
- Recoat: 4 hrs.
- Touch: 0-6
- Maximum: 6.5-8.0
- Volume solids: 38 ± 2%
- Weight solids: 46 ± 2%
- Weight per gallon: 9.55 lb
- Flash Point: N/A
- Vehicle Type: Acrylic Epoxy
- Shelf Life: Part A: 36 months
- Part B: 24 months

**Colorant:** SherColor

**Application:**
- Temperature; minimum: 55°F
- Maximum: 100°F
- Relative humidity: At least 5°F above dew point

**Reduction:**
- As needed up to 12.5% by volume

**Reducer:**
- Water

**Airless Spray:**
- Pressure: 2000 p.s.i.
- Hose: 1/4 inch I.D.
- Tip: .015 inch
- Filter: 100 mesh

**Roller Cover:**
- 3/8 inch woven solvent resistant core

**Tinting with CCE only:**
- Base: oz. per gallon: Strength
- Extra White: 0-6 SherColor
- Deep Base: 4-14 SherColor
- Ultradeep Base: 10-14 SherColor

**V.O.C. (less exempt solvents):**
- As mixed: 149 grams per litre; 1.24 lbs. per gallon

**Compliance:**
- As of 07/06/2020, Complies with:
  - OTC
  - OTC Phase II
  - SCAQMD
  - CARB
  - CARB SCM 2007
  - Canada
  - LEED® v4 & v4.1 Emissions
  - LEED® v4 & v4.1 V.O.C.
  - EPD-NSF Certified
  - MIR-Product Lens Certified
  - MPI

**Specifications:**
- Steel: 1 coat Pro Industrial Pro-Cryl Primer
- Aluminum and Galvanizing: 2 coats Water Base Catalyzed Epoxy
- Galvanizing rusted: 1 coat Pro Industrial Pro-Cryl Primer
- Concrete Block (CMU): 1 coat Pro Industrial Heavy Duty Blockfiller or Loxon Acrylic Block Surfacer
- Wood, exterior: 1 coat Exterior Wood Primer
- Wood, interior: 1 coat Premium Wall and Wood Primer
- Wood, exterior: 1 coat Exterior Wood Primer
- Wood, exterior: 1 coat Premium Wall and Wood Primer
- Wood, interior: 1 coat Premium Wall and Wood Primer
- Wood, exterior: 1 coat Pro Mar 200 Zero V.O.C. Primer
- Wood, interior: 1 coat Premium Wall and Wood Primer

The systems listed above are representative of the product’s use, other systems may be appropriate.
**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, contact the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeling or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service life of the system.

**Iron & Steel** - Minimum surface preparation is Power Tool Clean per SSPC-SP3. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1 (recommended preparation is Steam Cleaning). For better performance, use Commercial Blast Cleaning per SSPC-SP6-NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs. 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 before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic 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. Form release compounds and curing membranes must be removed by brush blasting. Bricks 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 brushed blast 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. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

**PREVIOUSLY PAINTED SURFACE**

Previously Painted Surface - 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 life of the system.

**Mildew** - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

**INSTRUCTIONS**

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.