Pro Industrial™
Water Based Catalyzed Epoxy
B73-300 Series

CHARACTERISTICS

Pro Industrial Water Based Catalyzed Epoxy
is an interior-exterior two component polyamine
epoxy topcoat. Designed for use in commercial
and industrial applications.

Features:
• It provides excellent corrosion resistance
• Abrasion resistant
• Chemical resistant
• Early moisture resistant
• Good adhesion to concrete, metal, or primed
substrates
• Suitable for use in USDA inspected facilities

For use on properly prepared:
Steel, Galvanized, Concrete and Masonry,
Wood, Drywall and Previously Painted.

Finish:
90°+ @60° Gloss
15-25° @85° Eggshell

Color:
Most colors

Recommended Spreading Rate per coat:

<table>
<thead>
<tr>
<th>Wet mils</th>
<th>Dry mils</th>
<th>Coverage: sq. ft. per gallon</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.0-12.0</td>
<td>2.0-4.9</td>
<td>134-328</td>
</tr>
</tbody>
</table>

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

Approximate spreading rates are calculated on volume solids and do not include any application loss. Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 7.0 mils wet, @ 50% RH:
Drying and recoat times are temperature, humidity, and film thickness dependent.

<table>
<thead>
<tr>
<th>@90°F</th>
<th>@77°F</th>
<th>@100°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 hr.</td>
<td>45 min.</td>
<td>25 min.</td>
</tr>
<tr>
<td>5 hrs.</td>
<td>4 hrs.</td>
<td>2 hrs.</td>
</tr>
<tr>
<td>8 hrs.</td>
<td>6 hrs.</td>
<td>3 hrs.</td>
</tr>
<tr>
<td>30 days</td>
<td>30 days</td>
<td>30 days</td>
</tr>
<tr>
<td>7 days</td>
<td>7 days</td>
<td>7 days</td>
</tr>
<tr>
<td>8 hrs.</td>
<td>5.5 hrs.</td>
<td>3.5 hrs.</td>
</tr>
</tbody>
</table>

Mix Ratio:
2 components, premeasured 4:1

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

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine four parts by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Re-stir before using. If reducer is used, add only after both components have been thoroughly mixed together. Do not apply the material beyond recommended pot life. Do not mix previously catalyzed material with new.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. No painting should be done immediately after a rain or during foggy weather.

All epoxies will chalk and fade when un-topcoated in exterior environments. Apply appropriate topcoat if aesthetics are required.

Extra White B73W00311/B73V00300

V.O.C. (less exempt solvents):
As mixed
less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

<table>
<thead>
<tr>
<th>Volume Solids</th>
<th>Weight Solids</th>
<th>Weight per Gallon</th>
<th>Flash Point</th>
<th>Vehicle Type</th>
<th>Shelf Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>41 ± 2%</td>
<td>50 ± 2%</td>
<td>9.97 lb</td>
<td>N/A</td>
<td>Polyamine Epoxy</td>
<td>Part A: 24 months</td>
</tr>
</tbody>
</table>

COMPLIANCE
As of 08/10/2020, 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-Manufacturer Inventory

APPLICATION

Temperature: minimum 50°F maximum 100°F

Relative humidity: at least 5°F above dew point

Reducer:
Water

Airless Spray:
Pressure: 2000 p.s.i.
Tip: 0.15-0.17 inch
Filter: 60 mesh
Reduction: As needed up to 10% by volume

Brush

Roller Cover
3/8 inch woven solvent
resistant core

SPECIFICATIONS

Steel and Galvanizing:
1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Water Based Epoxy

(For high performance aesthetics exterior):
1 coat Pro Industrial Pro-Cryl Primer
1 coat Pro Industrial Water Based Epoxy
1-2 coats Pro Industrial Water Base Acrolon 100

Concrete and Masonry:
1-2 coats Filler-Surfacer as required to fill voids and provide a continuous surface.

Suitable surfacers Interior-Exterior are:
Loxon Acrylic Block Surfacer,
Pro Industrial Heavy Duty Block Filler,
Kem Cali-Coat HS Epoxy Filler
Cement-Plex 875
2 coats Pro Industrial Water Based Epoxy

(For high performance aesthetics exterior):
1-2 coats Filler-Surfacer as required to fill voids and provide a continuous surface.
1 coat Pro Industrial Water Based Epoxy
1-2 coats Pro Industrial Water Base Acrolon 100

Concrete and Masonry Smooth:
2 coats Pro Industrial Water Based Epoxy

(For high performance aesthetics exterior):
1 coat Pro Industrial Water Based Epoxy
1-2 coats Pro Industrial Water Base Acrolon 100

Drywall:
1 coat ProMar 200 Zero V.O.C. Primer
1-2 coats Pro Industrial Water Based Epoxy

Wood, interior:
1 coat Premium Wall and Wood Primer
2 coats Pro Industrial Water Based Epoxy

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 dust or fumes. 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 equipments 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.

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 peeled 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 primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length 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.

**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 Surface. 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 fill-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. 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.

**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.

**SURFACE PREPARATION**

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 length 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.

**SAFETY PRECAUTIONS**

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) 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.

**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.

**Performance**

**System Tested:** (unless otherwise indicated)


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.