CHARACTERISTICS

Pro Industrial High Performance Epoxy is a high solids, two-package, epoxy polyamine for use in industrial maintenance environments and high performance architectural applications.

Features:
- Chemical resistant
- Abrasion resistant
- Suitable for use in USDA inspected facilities

For use on properly prepared:
Steel, Galvanized and Aluminum, Concrete and Masonry, Wood and Drywall

Finish: 80°+ @60° Gloss
Color: Most colors

Recommended Spreading Rate per coat:
- Wet mils: 5.0-10.0
- Dry mils: 3.7-7.4
- Coverage: sq.ft. per gallon 160-320
- Theoretical Coverage: 1186 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 @ 5.0 mils wet, @ 50% RH:
- Drying, and recoat times are temperature, humidity, and film thickness dependent.
- To touch: 10hrs. 8hrs. 2hrs.
- Tack free: 10hrs. 8hrs. 5hrs.
- Minimum recoat: 36 hrs. 8hrs. 5hrs.
- Maximum recoat: 30 days 30 days
- To cure: 14 days 14 days 3 days
- Pot Life: 2.5 hrs. 2 hrs. 1 hrs.
- Sweat-In-Time: none required

Tinting with:
- Maxitoner or BAC

Mix Ratio: 2 components, 4:1Mix

If maximum recoat time is exceeded, abrade surface before recoating.

APPLICATION

Temperature: minimum 50°F maximum 110°F
Relative humidity: 85% maximum

Airless Spray:
- Pressure: 2800 p.s.i.
- Hose: 3/8-1/2 inch I.D.
- Tip: .017 inch
- Filter: 60 mesh
- Reduction: As needed up to 10% by volume

Brush:
- Nylon-Polyester or natural bristle

Roller Cover: 1/4-3/8 inch woven with solvent resistant core

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.

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.

COMPLIANCE

As of 02/14/2020, Complies with:

OTC: Yes
OTC Phase II: Yes
SCAQMD: No
CARB: Yes
CARB SCM 2007: Yes
Canada: Yes
LEED® v4 & v4.1 Emissions: No
LEED® v4 & v4.1 V.O.C.: No
EPD-NSF® Certified: No
MIR-Product Lens Certified: Yes

SPECIFICATIONS

Steel acrylic primer:
- 1 coat Pro Industrial Pro-Cryl Primer
- 1-2 coats Pro Industrial High Performance Epoxy

Steel, solvent-based universal primer:
- 1 coat Kem Bond HS
- 1-2 coats Pro Industrial High Performance Epoxy

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

Suitable surfacers are:
- Luxon Acrylic Block Surferas, Pro Industrial Heavy Duty Block Filler, Kem Cali-Coat HS Epoxy Filler
- Cement-Plex 875
- 1-2 coats Pro Industrial High Performance Epoxy

Poured/Tilt-up Concrete (including floors):
- 1-2 coats Pro Industrial High Performance Epoxy

Aluminum:
- 1 coat DTM Wash Primer or
- 1 coat Pro Industrial Pro-Cryl Primer
- 1-2 coats Pro Industrial High Performance Epoxy

Galvanized:
- 1-2 coats Pro Industrial High Performance Epoxy

Wood:
- 1-2 coats Pro Industrial High Performance Epoxy

The systems listed above are representative of the product’s use, other systems may be appropriate.
# Pro Industrial
## High Performance Epoxy

### 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 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 Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. 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). Remove all weld spatter and round all sharp edges by grinding to a minimum of ¼ inch radius. Prime any bare steel within 8 hours or before flash rusting occurs. Primer required.

**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, the surface has been treated with chromatones 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. The filler must be thoroughly dry before topcoating.

**Masonry** - For surface preparation, refer to SSPC-SP13-NACE 6 or I CR 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.

**Wood** - Surface must be clean, dry, and sound. Paint as soon as possible. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed. 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. Self priming.

**Drywall** - Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting. Exterior surfaces must be spackled with exterior grade compounds.

### 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 and spatters immediately with compliant reducer. Clean tools immediately after use. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer’s safety recommendations when using solvents.

### PERFORMANCE

- **Extra White B67W002/1/B67V0020**

<table>
<thead>
<tr>
<th>System: (unless otherwise indicated)</th>
<th>Performance:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finish: 1 coat Pro Industrial High Performance Epoxy</td>
<td>Adhesion¹: 7 day cure</td>
</tr>
<tr>
<td>Method: ASTM D4541</td>
<td>Result: 400 p.s.i. minimum</td>
</tr>
<tr>
<td>Impact Resistance¹: 7 day cure</td>
<td>Method: based on ASTM D2794</td>
</tr>
<tr>
<td>Result: 53 inch per lb. minimum</td>
<td>Dry Heat Resistance: ASTM D2485</td>
</tr>
<tr>
<td>Result: 200°F</td>
<td>Flexibility: 14 day cure</td>
</tr>
<tr>
<td>Method: ASTM D522</td>
<td>Result: Pass</td>
</tr>
<tr>
<td>Fineness of Grind: Hegman</td>
<td>Chemical Resistance Rating: 7 day ambient cure</td>
</tr>
<tr>
<td>Method: 4.5 Hegman minimum</td>
<td><strong>(1 hour direct exposure to dry film) Incident contact)</strong></td>
</tr>
<tr>
<td>Chemical Resistance:</td>
<td>15% Hydrochloric Acid- Pass</td>
</tr>
<tr>
<td>5% Sulfuric Acid-Pass</td>
<td>20% Sodium Hydroxide-Pass</td>
</tr>
<tr>
<td>Aliphatic Hydrocarbon Solvent-Pass</td>
<td>Methyl Alcohol-Pass</td>
</tr>
<tr>
<td>Motor Oil (10 W 30)-Pass</td>
<td>Vegetable Oil-Pass</td>
</tr>
</tbody>
</table>

¹ Pro Industrial High Performance Epoxy over 1 coat Dura-Plate 235 Epoxy
² Standard test based on Certificate of Analysis

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.