PRO INDUSTRIAL™

113.21

HIGH PERFORMANCE EPOXY

PART A B67W00201 Pure White Base
PART A B67W00213 Deep Base
PART A B67700204 UltraDeep Base
PART A B67Y00237 Safety Yellow
PART B B67V00200 Hardener

PRO Industrial High Performance Epoxy is an 80% volume solids, two-package, epoxy polyamine for use in industrial maintenance environments and high performance architectural applications.
- Chemical Resistant
- Abrasion Resistant
- Suitable for use in USDA inspected facilities

Color: most colors
Recommended Spread Rate per coat:
- Wet mils: 5.0 - 10.0
- Dry mils: 4.0 - 8.0
Coverage: 160 - 320 sq ft/gal

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Time 5.0 mils wet @ 50% RH:
- @ 50°F @ 77°F @ 100°F
To touch: 10 hrs 8 hrs 2 hrs
To tack free: 10 hrs 8 hrs 5 hrs
To recoat: minimum: 36 hrs maximum: 30 days
8 hrs 5 hrs 30 days 30 days
To cure: 14 days 14 days 3 days

Pot Life: 2.5 hrs 2 hrs 1 hr
Drying time is temperature, humidity, and film thickness dependent.

Mix Ratio: 4:1
Sweat-in-time: None required
Finish: 80+@60° Gloss
Shelf Life: Part A 12 months
Part B 36 months
unopened, store indoors 40°F to 100°F.

Tinting with MaxiToners or Blend-A-Color:
Base oz/gal Strength
Pure White 0-6 150%
Deep Base 6-18 150%
Ultradeep 6-18 150%
Pure White B67W201/B67V200 (may vary by color)

VOC (mixed): <250 g/L; 2.08 lb/gal

System Tested:
Substrate: Steel
Surface Preparation: SSPC-SP6/NACE 3
Primer: 1 ct. Recoatable Epoxy @ 4.0 mils dft
Finish: 1 ct. Pro Industrial High Performance Epoxy @ 5.0 mils dft

Abrasion Resistance:
Method: ASTM D4060
Result: 113 mg loss

Accelerated Weathering - QUV:
Method: ASTM D4587, QUV-A, 5,000 hours
Result: passes

Adhesion:
Method: ASTM D4541
Result: 840 psi

Corrosion Weathering:
Method: ASTM D5894, 13 cycles, 4,368 hours
Result: Rating 10 per ASTM D714 for blistering
Rating 10 per ASTM D610 for rusting

Direct Impact Resistance:
Method: ASTM G14
Result: 70 in. lb

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F

Exterior Durability:
Method: 1 year 45° South
Result: Excellent (with chalk)

Flexibility:
Method: ASTM D522, 180° bend, 1½" mandrel
Result: Passes

Moisture Condensation Resistance:
Method: ASTM D4585, 100°F, 1000 hours
Result: No blisters, rust, delamination, or creepage

Pencil Hardness:
Method: ASTM D3363
Result: H

Salt Fog Resistance:
Method: ASTM B117, 6,000 hours
Result: Rating 8 per ASTM D714 for blistering
Rating 10 per ASTM D610 for rusting

Thermal Shock:
Method: ASTM D224, 15 cycles
Result: Passes

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

12/2017 www.sherwin-williams.com continued on back

As of 12/05/2017, Complies with:
OTC Yes LEED® 09 NC, CI No
OTC Phase II Yes LEED® 09 CS No
SLAAMD No LEED® V4 Emissions No
CARB Yes LEED® V4 VOC No
CARB SCM 2007 Yes Canada Yes MPI Yes

12/2017 www.sherwin-williams.com continued on back
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.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Before 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" 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.

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 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.

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.

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, or if this product attacks the previous finish, removal of the previous coating may be necessary. 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 below minimum recommended spreading rate will adversely affect coating performance.

SAFETY PRECAUTIONS

Before using, carefully read CAUTIONS on label. 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

No painting should be done immediately after a rain or during foggy weather.

Do not apply the material beyond recommended pot life

Do not mix previously catalyzed material with new