Pro Industrial™

High Performance Epoxy

B67-200 Series

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: sq. ft. per gallon @1 mil dry	1186

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.

	@50°F	@77°F	@100°F
To touch:	10 hrs.	8 hrs.	2 hrs.
Tack free	10 hrs.	8 hrs.	5 hrs.
Minimum recoat:	36 hrs.	8 hrs.	5 hrs.
Maximum recoat:*	30 days	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
Mix Ratio:	2 components, 4:1mix

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

Tinting with : BAC, Maxitoner or GIC

Base	oz. per gallon	Strength
Pure White	0-6	150%
Deep Base	6-18	150%
Ultradeep	6-18	150%

Pure White B67W00201/B67V00200
(may vary by color)

V.O.C. (less exempt solvents): **As mixed**
221 grams per litre; 1.84 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	74 ± 2%
Weight Solids:	85 ± 2%
Weight per Gallon:	12.36 lb
Flash Point:	66°F TCC
Vehicle Type:	Polyamine Epoxy
Shelf Life:	Part A: 12 months Part B: 36 months

COMPLIANCE

As of 07/15/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	No
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	No
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Temperature:

minimum	50°F
maximum	110°F
	air, surface, and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	No reduction in restricted areas Reducer R7K54

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.

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-Surfacer as required to fill voids and provide a continuous surface.
Suitable surfacers are:
Loxon Acrylic Block Surfacer,
Pro Industrial Heavy Duty Block Filler,
Kem Cati-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

Interior Plaster and Drywall:
1 coat ProMar 200 Zero V.O.C. Primer
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.

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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.

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 Clean 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, 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. The filler must be thoroughly dry before topcoating.

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.

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, 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.

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.

PERFORMANCE

Extra White B67W00201/B67V00200

System: (unless otherwise indicated)

Finish: 1 coat Pro Industrial High Performance Epoxy

Adhesion:	7 day cure
Method:	ASTM D4541
Result:	627 p.s.i. minimum
Impact Resistance:	7 day cure
Method: based on	ASTM D2794
Result:	36 inch per lb. minimum
Hardness	
Method:	ASTM D3363
Result:	>6H
Flexibility:	14 day cure
Method:	ASTM D522 $1^{1/2}$ inch mandrel
Result:	Pass

Chemical Resistance Rating: 7 day ambient cure
B67W00201/B67V00200
(1 hour direct exposure to dry film Incidental contact)
25% Sodium Hydroxide-Pass
10% Hydrochloric Acid-Pass
Motor Oil-Pass
Ammonia-Pass
20% Sodium Hydroxide
Vegetable Oil-Pass-Pass
IPA-Pass
Methanol-Pass
Mineral Spirits-Pass

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label of all components.

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.

HOTW	07/15/2021	B67W201/B67V200	25 221
HOTW	07/15/2021	B67W213/B67V200	16 230
HOTW	07/15/2021	B67T204/B67V200	20 226