



PPG Architectural Coatings

PLEX-SEAL™ Clear Sealer

GENERAL DESCRIPTION

PLEX-SEAL Clear Sealer No. PP3201 is an exceptionally clear, non-yellowing, interior/exterior, chemical and weather resistant, fast drying, solventborne, solution acrylic sealer for use on properly prepared masonry walls and floors including concrete, stone, stucco, mortar, etc. Use for garage floors, driveways, pool decks, warehouse floors, and more. It is also used on metal to restore its bright finish.

RECOMMENDED USES

- Sealing walls, floors, pool decks, driveways
- Protecting exterior masonry, concrete, stucco, stone, etc.
- Boosting chemical resistance of garage & warehouse floors
- Adding sheen and improved appearance to dull surfaces
- Restoring brightness to metal

FEATURES / BENEFITS

- | | |
|-----------------------|--------------------|
| • Exceptionally clear | No amber color |
| • Non-yellowing | Stays clear |
| • Weather resistant | Holds gloss |
| • Durable | Abrasion resistant |
| • Fast drying | Saves time |

RECOMMENDED SYSTEMS

PLEX-SEAL Clear Sealer No. PP3201 is designed to penetrate and seal a wide variety of properly prepared masonry and concrete wall and floor surfaces. (NOTE: For proper adhesion, the first coat of product must penetrate into the surface to mechanically anchor the sealer into the pore structure. Additional coats "melt" into previous coats to form a single film.) Typical applications for PLEX-SEAL Clear Sealer No. PP3201 are:

SURFACE	TYPICAL SYSTEMS*
Concrete Floors, Walls:	
- Dust Seal:	One or two coats of No. PP3201.
- Gloss Coating:	Two or three coats (three coats recommended for best performance).
Stucco, Stone, etc.:	One to three coats as required to seal and develop desired gloss.
Metal (Clear-Coat):	Apply one or two coats over properly prepared metal as required to seal and achieve desired gloss.

*NOTE: The number of coats needed to achieve full gloss will vary with porosity of the surface.

TINTING AND BASE INFORMATION

Do not tint. (If color shading is required, contact a Porter Representative or the Porter Technical Services Department.)

PP3201 Clear

PRODUCT DATA

Product Type: Solution acrylic
Sheen: Up to full gloss (depending on no. of coats)

Percent Solids:
Weight: 26 ± 2%
Volume: 21 ± 2%

VOC (theoretical - untinted):

As supplied: 5.7 lb/gal (683 g/l)
When thinned to maximum*: 5.7 lb/gal (686 g/l)

*Do not exceed local regulations.

Weight/Gallon: 7.7 lb
Viscosity (Initial): Near water viscosity.
Thinner:

Brush/Roller/Spray: Thinning is not required under normal environmental and application conditions. If necessary, and local regulations allow, thin with Porter Xylene Thinner No. 5133 or Porter Heavy Duty Thinner No. 5143 (for slower dry) up to 2 oz./gal. This product cannot be used in all VOC regulation areas. Do not exceed local regulations.

Clean-up: Porter Xylene Thinner No. 5133 or Porter Heavy Duty Thinner No. 5143.

Recommended Film Thickness:

Wet: Not applicable for penetrating materials.
Dry: Not applicable.

Spread Rate (Typical): Up to 325 sq. ft./gallon depending on porosity.

Dry time (70°F @ 50% R.H.):

To Touch: 30 minutes
To Handle: 2 hours
To Recoat: 6 hours

(Expect longer dry times at lower temperatures and higher relative humidity.)

Flash Point: 82°F (28°C)

Flame Spread Rating: Class A (0-25)

(See Porter Technical Bulletin No. 9: Flame Spread Rating.)

Federal Specification Crossover: None.

(See Porter Technical Bulletin No. 6: Federal Specification Performance Crossover.)

LIMITATIONS OF USE

Do not apply to on-grade concrete floors that do not have a vapor barrier underneath, or to other surfaces where moisture gets behind the sealer. Do not apply when air or surface temperature is below 40°F or above 110°F. Surface temperature must be at least 5°F above the dew point. For optimum application properties, bring material to 60-80°F (16-27°C). Use for service below 180°F. Not intended for wood. Avoid exposure to solvents; wipe up oil and gasoline spills immediately.

GENERAL SURFACE PREPARATION

For optimum performance, all masonry, concrete and stucco construction must age at least 28 days, and moisture content should be below 12% (check with a moisture meter or follow ASTM Test Method D 4263: Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method) prior to application of PLEX-SEAL Clear Sealer No. PP3201.

Apply PLEX-SEAL Clear Sealer No. PP3201 to clean, dry and porous surfaces only. Remove dirt, oils, grease, wax, release agents, grinding dust, paint remover, etc. with PREP125 DURAPREP® WB Cleaner & Degreaser, Dirtex and water, PPG Paint Thinner No. 5132, or other suitable cleaner per SSPC-SP 1 Solvent Cleaning, ASTM D 4261: Standard Practice for Surface Cleaning Concrete Unit Masonry for Coating; or ASTM D 4258: Standard Practice for Surface Cleaning Concrete for Coating. Remove efflorescence by pressure-washing or cleaning with dilute muriatic acid (following manufacturer's instructions). Remove mildew by treating with a commercial mildew cleaner or with a mixture of 1 part chlorine bleach to 3 parts water (apply for 15 minutes and rinse). Fill cracks and holes in masonry and concrete with appropriate filler. Acid etch concrete per ASTM Method D 4260: Standard Practice for Acid Etching Concrete (ALSO SEE PORTER TECHNICAL BULLETIN #14: GUIDE TO ACID ETCHING CONCRETE); or sweep blast as appropriate to provide uniform porosity (required to assure adhesion and good aesthetics).

Clear Coat Over Metal: Clean surfaces as outlined above. Remove all corrosion, rust, mill scale, etc. by Hand Tool Cleaning (SSPC-SP 2), Power Tool Cleaning (SSPC-SP 3) or Commercial Blast Cleaning (SSPC-SP 6).

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

DIRECTIONS FOR USE

Stir thoroughly before using and occasionally during use. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

Permissible temperatures during application:

Temperature Range: 40°F to 110°F (air, surface, paint)
(Optimum paint temperature 60-80°F)

Dew Point: Surface temperature must be at least 5°F above the dew point.

Relative Humidity: Maximum 85%.

Masonry/Concrete/Etc.: Apply a uniform coat by brush, roller or spray at an appropriate spread rate for the surface being sealed. Do not brush or roll excessively. Apply evenly, avoiding runs or sags. Following recoat guidelines, apply one or two additional uniform coats of PLEX-SEAL Clear Sealer No. PP3201 as required to achieve desired gloss and performance levels.

Clear Coat On Metal: Apply one or two uniform coats of PLEX-SEAL Clear Sealer No. PP3201 to properly prepared metal to provide a bright, glossy finish. Avoid runs and sags.

APPLICATION INFORMATION

Application Equipment: Apply with a high quality brush, roller, or by spray equipment.

Airless Spray: Minimum 1 gallon per minute pump; .011"-.013" tip; 1800-2400 psi; 1/4" high pressure material hose.

Conventional Spray: DeVilbiss MBC-510 gun; E tip; 704 Air Cap; 3/8" ID material hose; double regulated pressure tank with oil and moisture separator; 20 psi fluid pressure; 40-60 psi air pressure.

Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

Brushes: Use nylon/polyester or china bristle brushes.

Rollers: Use 1/2" to 3/4" synthetic roller covers.

Thinning: Thinning is not required under normal environmental and application conditions. If necessary, and local regulations permit, thin with Porter Xylene Thinner No. 5133 or Porter Heavy Duty Thinner No. 5143. Porter Heavy Duty Thinner No. 5143 will slow the drying rate. (NOTE: This product cannot be used in all VOC regulation areas. Do not thin in excess of local regulations.)

Clean-up: Clean tools and spray equipment with Porter Xylene Thinner No. 5133 or Porter Heavy Duty Thinner No. 5143.

SHIPPING

Freight Classification: PAINT

Packaging: 4 Gallons per carton; 5-Gallon Pail

Shipping Weights: 8.4 lb/gal (34.6 lb/carton); 41.8 lb/5-gal

PPGAF believes the technical data presented is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date technical information, visit our web site or call 1-800-441-9695.

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