



Architectural Coatings

Pitt-Glaze WB1 Interior High Performance Pre-Catalyzed Waterborne Epoxy Semi-Gloss

GENERAL DESCRIPTION

Pitt-Glaze WB1 is the only zero-VOC* single-component epoxy that delivers high performance durability for high-traffic spaces. Recommended for healthcare, education, manufacturing, and correctional facilities in hallways, bathrooms, locker rooms, warehouses and more. Suitable for incidental food contact in USDA-inspected facilities, making it suitable for cafeterias and food processing plants.

*Colorants added to this base paint may increase VOC level significantly depending on color choice.

RECOMMENDED SUBSTRATES

Aluminum	Galvanized Steel
Concrete	Gypsum Wallboard-Drywall
Concrete/Masonry Block	Plaster
Ferrous Metal	Wood

FEATURES / BENEFITS

- The only zero-VOC* pre-catalyzed epoxy available; ideal for green builds and occupied spaces
- Single-component, is ready to use and efficient
- Delivers exceptional durability for high-traffic areas in commercial and institutional spaces
- Resistant to chemicals, stains, scuffs, impact, and abrasion to extend the repaint cycle
- Provides resistance to mildew, fungus and mold on the dry paint film, in high moisture areas
- Resistant to damage from institutional cleaning chemicals

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CONFORMANCE STANDARDS

- Compliant with all US VOC regulations as of 06/2024
- GREENGUARD Gold Emissions Certified
- Eligible for LEED® v4.1 low-emitting credit
- Qualified for CHPS low-emitting credit
- Meets CDPH v1.2 2017 Emissions Standard criteria
- Meets MPI High Performance 141
- Meets MPI Institutional 147
- Meets MPI Light Industrial 153
- Suitable for incidental food contact in USDA-inspected facilities

PERFORMANCE DATA

Property	Test Method	Results
Impact Resistance (Forward – inch-pounds)	ASTM D2794	70
Scrub Resistance (Abrasive Medium with Shim, Cycles to Failure)	ASTM D2486	>600
Adhesion (Method B - Cross-Hatch)	ASTM D3359	5B
Abrasion Resistance (CS-10 Wheel w/1kg wt.)	ASTM D4060	100 mg loss

PRODUCT DATA

PRODUCT TYPE:	Waterborne Epoxy
SHEEN:	Semi-Gloss, 45-60 @60°
VOLUME SOLIDS*:	40% +/- 2%
WEIGHT SOLIDS*:	52% +/- 2%
WEIGHT/GALLON*:	10.4 lbs. (4.7 kg) +/- 0.2 lbs. (91 g)
VOC:	0 g/L (0.0 lbs./gal.)**

*Product data calculated on product 16-1510.

**Colorants added to this base paint may increase VOC level significantly depending on color choice.

COVERAGE: Approximately 400 sq. ft. (37 sq. meters) per U.S. Gallon (3.78L) on smooth, nonporous surfaces.

Wet Film Thickness:	4.0 mils (minimum)
Wet Microns:	102
Dry Film Thickness:	1.6 mils (minimum)
Dry Microns:	41

Coverage figures do not include loss due to surface irregularities and porosity or material loss due to application method or mixing. Some colors, drastic color changes, or porous substrates may require more than one coat to achieve a uniform finish.

DRYING TIME:	Dry time @ 77°F (25°C); 50% relative humidity.
To Touch:	30-60 minutes
To Recoat:	2-4 hours
To Full Cure:	30 days

Drying times listed may vary depending on temperature, humidity, color, film build, and air movement. Wait at least 30 days after painting before cleaning the surface with a non-abrasive, mild cleanser. Very deep colors may require longer to fully cure.

CLEANUP: Clean tools with warm, soapy water.

DISPOSAL: Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

FLASH POINT: Over 200°F (93°C)

PRODUCT INFORMATION

16-1510	White & Pastel Base
16-1520	Midtone Base*
16-1540	Neutral Base*

*Must be tinted before use. Refer to the appropriate color formula book, automatic tinting equipment, and or computer color matching system for color formulas and tinting instructions.

CHEMICAL RESISTANCE

ASTM D1308 Chemical Resistance	Results	ASTM D1308 Cleaning Chemical Resistance	Results
Acid (10% hydrochloric acid)	Excellent	Oxivir® tb	Excellent
Acid (5% phosphoric acid)	Excellent	Shockwave™	Excellent
Acid (50% sulfuric acid)	Excellent	Concrobium®	Excellent
Acid (10% Acetic acid)	Excellent	Bleach	Excellent
Base (25% sodium hydroxide)	Excellent	Lysol®	Excellent
Motor Oil/Vegetable Oil	Excellent	Fantastik®	Excellent
Ethanol/ Methanol	Excellent	Formula 409®	Excellent
Mineral Spirits	Excellent	Ammonia	Excellent*
Distilled Water	Excellent		* After 28-day cure

GENERAL SURFACE PREPARATION

Surface must be clean and dry. Remove all loose, peeling paint, dirt, grease, and any other surface contaminants. Putty all nail holes and caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. Plaster, concrete, and masonry surfaces must be completely dry, free of efflorescence, and allowed to cure for 30 days prior to painting. Prime all bare wood, drywall, plaster, masonry, metal, and porous surfaces with an appropriate primer.

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.

ALUMINUM: This substrate may present potential adhesion problems. Any coating applied directly to aluminum should be spot applied, allowed to cure overnight, and then evaluated for adhesion. If adhesion is good, the application may proceed.

CONCRETE: New concrete and masonry should cure for at least 30 days and preferably 90 days prior to priming and painting. The pH of the substrate must be less than 10 before priming with an alkali resistant primer. Painting glazed brick is not recommended due to potential adhesion problems.

CONCRETE/MASONRY BLOCK: Mortar should cure for at least 30 days and preferably 90 days prior to painting. Fill block with an appropriate block filler. Surfaces previously coated with water thinned cement-based paint must be prepared with extra care. If the material appears to be adhering tightly, a masonry sealer may be applied to seal the surface. Check adhesion by applying a piece of masking tape. If the sealer peels off and has loose particles, remove all chalking or crumbling material, re-seal and re-check adhesion.

FERROUS METAL: The surface must be cleaned thoroughly to remove any dust, rust, and surface contaminants, and then primed with a metal primer.

GALVANIZED STEEL: Caution must be used when selecting coatings for use on all galvanized metal surfaces. These substrates may have a factory-applied stabilizer, which is used to prevent white rusting during storage and shipping. Such stabilizers must be removed by either brush blasting, sanding or chemical treatment prior to priming.

GYPSUM WALLBOARD-DRYWALL: Nails or screws should be countersunk, and they along with any indentations should be mudded flush with the surface, sanded smooth and cleaned to remove any dust, prior to priming and painting the substrate.

PLASTER: Plaster, hardcoat, skim coat, or other alkaline surfaces should be allowed to cure for at least 30 days prior to priming with an alkali resistant primer.

WOOD: Countersink all nails, putty flush with surface. Unpainted wood or wood in poor condition should be sanded smooth and wiped clean, then primed. Any knots or resinous areas must be primed before painting.

RECOMMENDED PRIMERS

Aluminum	4020, 4160, 4360, Self-priming
Concrete	4-603XI, 17-921XI, Self-priming
Concrete/Masonry Block	6-7, 6-15XI
Ferrous Metal	4020, 4160, 4360
Galvanized Steel	4020, 4160, 4360
Gypsum Wallboard-Drywall	6-2, 6-4, 9-900, 12-900XI
Plaster	4-603XI, 17-921XI, Self-priming
Wood	6-2, 9-900, 12-900XI, 17-921XI, Self-priming

PACKAGING

1-Gallon (3.78 L)
5-Gallon (18.9 L)

Not all products are available in all sizes.

LIMITATIONS OF USE

FOR INTERIOR USE ONLY. Apply when air, surface and product temperatures are between 50°F (10°C) and 90°F (32°C).

Do not use on floors, in areas of saturating humidity, or on submerged surfaces.

PROTECT FROM FREEZING.

While this product provides a mildew resistant coating, growth may still occur if the substrate is not properly prepared prior to painting and/or if the substrate is consistently exposed to conditions conducive to mold, mildew, and algae. Examples of these conditions include, but are not limited to areas that are consistently damp with little to no direct sunlight.

APPLICATION INFORMATION

Stir thoroughly before using and occasionally when in use. When using more than one can of the same color, intermix to ensure color uniformity. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. Read all label and Safety Data Sheet (SDS) information prior to use. SDS are available through our web site or by calling 1-800-441-9695.

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

Airless Spray: Pressure 1500 to 2000 psi; tip 0.015" to 0.021". 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.

Brush: Nylon/Polyester Brush

Roller (nap roller cover): 3/8" - 3/4"

Thinning: Do not thin.

Permissible temperatures during application:

Material:	50 to 90°F	10 to 32°C
Ambient:	50 to 90°F	10 to 32°C
Substrate:	50 to 90°F	10 to 32°C

PRECAUTIONS

WARNING! HARMFUL IF INHALED. HARMFUL IF SWALLOWED. Do not breathe vapor or mist. Do not swallow. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Use personal protective equipment as required. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific SDS and label information. FIRST AID:** If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Get medical attention if irritation develops. If inhaled, remove to fresh air. Call physician immediately. Contains isothiazolinones. May cause allergic reaction. Keep out of the reach of children. For workplace use, an SDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

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