GENERAL DESCRIPTION

PITT-GLAZE WB1 Water-Borne Acrylic Epoxy is a one-component acrylic epoxy semi-gloss coating for interior use and is a low-odour replacement for traditional two component acrylic epoxy products providing a recoatable, impact and mildew-resistant finish.

Its minimal odour makes *PITT-GLAZE* WB1 suitable for hospitals, schools, cafeterias and food processing plants, or any area that cannot be taken out of service for an extended period of time.

This item is for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities exposed to repeated heavy abrasion, including mechanical wear and repeated scrubbing with solvents, cleaners, or scouring agents. Ideal on the walls of bathrooms, kitchens, hallways and other areas with high traffic and requiring frequent cleaning.

RECOMMENDED SUBSTRATES

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

CONFORMANCE STANDARDS

- Complies with the Canadian Volatile Organic Compound Concentration Limits for Architectural Coatings Regulations.
- MPI #153 Light Industrial Coating, Interior, Water Based, Semi-Gloss (MPI Gloss Level 5).
- Can help earn LEED® 2009 credits.
- Meets the Collaborative for High Performance Schools (CHPS) Low-Emitting Materials criteria section 01350.

TINTING AND BASE INFORMATION

Refer to the appropriate colour formula book, automatic tinting equipment, and/or computer colour-matching system for colour formulas and tinting instructions.

16-510C White and Pastel Base

16-540C Neutral Base*

***Must be tinted before use.**

Some colours, drastic colour changes, or porous substrates may require more than one coat to achieve a uniform finish.

PACKAGING

3.78 L & 18.9 L

Not all products are available in all sizes.

PRODUCT DATA

PRODUCT TYPE: Acrylic Epoxy Paint

SHEEN: Semi-Gloss: 50 to 70 % (60° Gloss Meter)

VOLUME SOLIDS*: 37% ± 2%

WEIGHT SOLIDS*: 48% ± 2%

VOC*: < 100 g/L

DENSITY*: 1.2 kg/L

*Product data calculated on product 16-510C.

SPREADING RATE PER COAT Approximately 37.2 m² (400 ft²) per 3.78 litres on primed, smooth, nonporous surfaces.

Wet Film Thickness: 4.0 mils (102 microns)

Dry Film Thickness: 1.5 mils (38 microns)

Coverage figures do not include loss due to surface irregularities and porosity or material losses due to application method or mixing.

DRYING TIME: Dry time @ 25°C (77°F); 50% relative humidity.

To Touch: 1 hour

To Recoat: 4 hours minimum

Drying times listed may vary depending on temperature, humidity, film build, colour, and air movement.

Permissible temperatures during the application:

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

CLEANUP: Remove as much product quantity as possible and clean tools with lukewarm soapy water immediately after use.

WASHING INSTRUCTIONS: Wait at least 14 days before cleaning the surface (longer in conditions of high humidity or low temperature) use a non-abrasive mild cleaner.

DISPOSAL: Consult your municipality in order to dispose of paint residues according to environmental regulations.

Do not pour down a drain or storm sewer.

FLASH POINT: Over 93 °C (200 °F)

FEATURES / BENEFITS

Features	Benefits
Single component, water-based formula	No mixing or measuring.
Less than 100 g/L VOC content	Lower than current Canadian regulations limits.
Excellent abrasion and impact resistance	Long-lasting protection.
Excellent chemical and stain resistance	Extends substrates life.
Lower odour than two-component	Can be applied in occupied areas.
Excellent mildew resistant coating	Resists mould and mildew on the paint film.
Excellent block resistance	Tack-free film / ideal for doors, door frames, and windowsills.
Can help earn LEED® 2009 credits	Contributes to sustainable design.

PERFORMANCE DATA

ASTM D1308 Chemical Resistance	Results
Acid (10% hydrochloric acid)	Excellent
Acid (10% phosphoric acid)	Excellent
Acid (10% sulfuric acid)	Excellent
Base (25% sodium hydroxide)	Excellent
Cleaner (Fantastik®)	Excellent
Gasoline	Excellent
Mineral Spirits	Excellent
Water	Excellent
Xylene	Limited

Property	Test Method	Results
Impact Resistance	ASTM D2794	
Forward – inch-pounds		>100
Reverse – inch-pounds		>100
Hardness (Konig Pendulum)	ASTM D4366	>25
Scrub Abrasive Medium with Shim	ASTM D2486	
Cycles to Failure		>700
Adhesion (Method A - X cut)	ASTM D3359	5A
Block Resistance	PPG method	Excellent

LIMITATIONS OF USE

FOR INTERIOR USE ONLY.

Apply only when air, product, and surface temperatures are between 10°C and 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 mould, mildew, and algae.

Examples of these conditions include, but are not limited to areas that are consistently damp with little to no direct sunlight.

GENERAL SURFACE PREPARATION

Surfaces to be coated must be dry, clean, sound, and free from all contamination including loose and peeling paint, dirt, grease, oil, wax, concrete curing agents and bond breakers, chalk, efflorescence, mildew, rust, product fines, and dust.

Remove loose paint, chalk, and efflorescence by wire brushing, scraping, sanding, and/or pressure washing.

Putty all holes and caulk all cracks and open seams.

Mildew: Remove mildew with a solution of household bleach (1 part household bleach to 3 parts of water). Before use, be sure to read and follow the instructions and warnings on the label.

Sand all glossy, rough or patched surfaces.Feather back all rough edges to sound surface by sanding.

Prime all bare and porous substrates with an appropriate primer.

PRECAUTION: Dry sanding will give rise to dust and/or hazardous fumes. Wear suitable respiratory protective equipment. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to hazardous substances that may be released during surface preparation. **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. 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. Contact a regional Health Canada office for more information.

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 AND MASONRY:

- Prior to priming or top coating, substrate should cure for at least 30 days and preferably 90 days, the moisture content must be less than 12% and the pH must be less than 10. If pH is greater than 10, prime with an alkali resistant primer.
- Surfaces previously coated with water thinned cement-based paint must be prepared with extra care. Check adhesion by applying a piece of masking tape. If the material appears to be adhering tightly, a masonry sealer may be applied to seal the surface. If the sealer peels off and has loose particles, remove all chalking or crumbling material, re-seal and re-check adhesion.
- Fill block with appropriate block filler.

FERROUS METAL: Prior to priming and top coating, the surface must be cleaned thoroughly to remove any dust, rust, oil and surface contaminants.

GALVANIZED STEEL: A primer is required for proper adhesion. 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, then prime prior to painting.

PLASTER: Plaster or other alkaline surfaces should be allowed to cure for at least 30 days prior to prime.

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

Before use, be sure to read and follow the instructions and warnings on the label.

Contact your local representative for any additional surface preparation guidelines.

RECOMMENDED PRIMERS

Aluminum:		*Pitt-Tech* 90-712C
Concrete, Masonry	Block filler:	*SpeedHide* 6-7C
	Primer-sealer:	*SealGrip* 17-921XIC, *Dulux Gripper* 60000A
Ferrous Metal		*SpeedHide* 6-208, 6-212
Galvanized Steel:		*Pitt-Tech* 90-712C
Gypsum Wallboard-Drywall		*SpeedHide* 6-2C, 6-4C, *Pure Performance* 9-900C, *SpeedHide* Pro EV 12-900XIC
Plaster		*SealGrip* 17-921XIC, *Dulux Gripper* 60000A
Wood		*SpeedHide* 6-2C, *Pure Performance* 9-900C, *SpeedHide* Pro EV 12-900XIC, *SealGrip* 17-921XIC, *Dulux Gripper* 60000A

APPLICATION INFORMATION

Stir thoroughly before use and occasionally during use. When using more than one container of the same colour, intermix to ensure colour uniformity.

KEEP OUT OF REACH OF CHILDREN. USE WITH ADEQUATE VENTILATION. Read all label and Safety Data Sheet (SDS) information prior to use. SDS are available from your retailer, through our website or by calling 1-800-463-7426.

Application Equipment: Apply with a high quality synthetic brush, roller, paint pad, or by spray equipment. Where necessary, apply a second coat.

Brush: High quality polyester/nylon brush.
Roller: 10 to 20 mm (3/8 – 3/4 in.) nap synthetic roller cover.
Airless Spray: Pressure 2000 psi, tip 0.015 in. - 0.021 in.
Spray equipment must be handled with due care and in accordance with the manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

Thinning: Thinning is not usually required. If necessary, add no more than 118 mL of water per 3.78L of paint.

PRECAUTIONS

Keep out of the reach of children. Keep containers tightly closed and sealed until ready for use.
Before using the products listed in this publication, carefully read each product label and follow directions for its use. Use personal protective equipment as required. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation.

Note: These warnings encompass the product series.

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION. Avoid breathing vapours, spray or mists. Avoid contact with skin and eyes. Wear protective gloves/clothing and eye/face protection.

FIRST AID: If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. 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. If experiencing respiratory symptoms call poison centre or doctor/physician.

For workplace use, an SDS are available from your retailer, through our website or by calling 1 800 463-7426.
EMERGENCY SPILL INFORMATION: 1 514 645-1320 or 1 800 463-7426.

LIMITED WARRANTY

PPG Architectural Coatings Canada, Inc. warrants performance of its products to its intended use if properly applied in accordance with the label directions and the specifications of the technical data sheet. Having no control over the application methods and conditions or the circumstances related to its use, no other warranty, expressed or implied, statutory or otherwise is given. This limited warranty extends only to the original purchaser of the product and is not transferable or assignable. If the product fails to conform to this limited warranty, we will, at your option, furnish replacement product or refund the purchase price. This limited warranty excludes (1) labour or costs of labour for the application or removal of any product and (2) all other direct, indirect, incidental, special or consequential damages.

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