

PPG PITT-GLAZE® WB1 INTERIOR PRE-CATALYZED WATER-BORNE ACRYLIC EPOXY 16-510C

Water based product, semi-gloss finish

Technical Data Sheet



Technical Specifications (21°C (70°F))

Solids by Volume – 37% (+/- 2%)
Solids by Weight – 48% (+/- 2%)

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: < 100 g/L
Canadian regulation: < 150 g/L

Colour: White/Pastel & Neutral bases

Gloss Level **Semi-Gloss finish**

• Gloss @ 60°: 50 - 70%

Practical Coverage

204 - 398 sq. ft. per 3.78 litres

(Actual coverage will vary depending on substrate and application method.)

Resin Type

• Acrylic Epoxy

Viscosity* Ready to use

Flammability Non Flammable

Flash Point* over 93°C

Recommended Film Thickness*

• Wet: 4.0 to 8.0 mils
• Dry: 1.5 to 3.0 mils

Drying Time* @ 77°F/25°C - 50% Relative Humidity

**Drying & recoat times are dependent on temperature, humidity, ventilation and film thickness*

Touch dry: 1 hour
To recoat: 4 hours
Before cleaning: 14 days

Performance Data:

ASTM 1308 Chemical Resistance

ASTM 1308 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

Product Description

PITT-GLAZE WB1 Water-Borne Acrylic Epoxy is a one-component acrylic epoxy semi-gloss coating for interior use in commercial, institutional and light industrial environments.

PITT-GLAZE WB1 16-510C:

- Single component, waterbased formula
- Less than 100g/L VOC content
- Excellent abrasion and impact resistance
- Excellent chemical and stain resistance
- Lower odor than two-component
- Excellent mildew resistance

Intended Uses

- Commercial, institutional and light industrial
- New and maintenance work
- Ideal for bathrooms, kitchens, hallways, and high traffic areas subject to frequent cleaning
- Suitable for hospitals, schools, cafeterias and food processing plants

Certifications - As of December 2013

Approved to:

- MPI – Category #153, Light Industrial Coating, Interior, Water Based (MPI Gloss Level 5)

Property	Test Method	Result
Impact resistance	ASTM D2794	
Forward –inch-pounds		>100
Reverse –inch-pounds		>100
Hardness (Konig Pendulum)	ASTM D4366	>25
Scrub Abrasive Media w/shim	ASTM 2486	
Cycles to failure		>700
Adhesion (Method A; X cut)	ASTM D3359	5A
Block Resistance	Laboratory	Excellent



Available at Dulux Paints Stores across Canada and Betonel-Dulux Stores in Québec

SURFACE PREPARATION

All surfaces must be sound, clean, dry and free of dirt, mildew and contaminants. Remove all loose and peeling paints, heavy chalking and other surface contaminants by high pressure washing and abrasive cleaning. Rinse thoroughly with water and allow dry time.

- Mildew must be removed by washing affected area with a solution of 30% household bleach and 70% water. Rinse well.
- Oil grease and rust stains must be removed using commercial cleaning solutions
- Self-priming over previously painted surfaces. Glossy surfaces must be dulled by sanding. Vacuum sanding residue. *Precaution:* Dry sanding, flame cutting and/or welding of dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

New Concrete, Masonry, Mortar or Plaster:

must age at least 30 days and be thoroughly dry before painting.

- All cracks, joints and seams larger than 1/16" (1.58 mm) must be filled or caulked.
- Damaged or degraded mortar must be removed and replaced prior to application of coating.
- Dusty or powdery masonry and efflorescence must be removed using a high pressure washer or a stiff bristle brush.

Application

Ready-to-use product, do not thin.

Mix thoroughly before use.

Apply using brushes, rollers or spray equipment.
FOR PROFESSIONAL USE ONLY

Application Conditions

Apply with good ventilation. Ensure air, material and surface temperatures are above 50°F (10°C).

FOR INTERIOR USE ONLY. Do not use on floors, in areas of saturating humidity or on submerged surfaces.

Tools

- Brushes – Synthetic (nylon, polyester)
- Lint free roller – 10 - 20 mm
- Spray (Airless equipment) – tip size:0.015 to 0.021 in - Pressure: 2000 psi
*Spray recommendations may vary from figures listed depending on equipment manufacturer

SYSTEM RECOMMENDATIONS

Two topcoats are recommended on all surfaces for better durability and appearance

Aluminum:

- Dulux WeatherGuard Acrylic Primer 1535 OR Gripper 250 – one coat over total surface
- PPG Pitt-Glaze WB1 16-510C

New concrete, stucco, plaster or masonry:

- Dulux WeatherGuard Acrylic Primer 1535 OR for porous concrete block use Dulux Blockfiller 36250 – one coat over total surface
- PPG Pitt-Glaze WB1 16-510C

Ferrous Metal

- Dulux MetalClad Red Oxide Rust Preventive Coating 218496 – one coat over total surface
- PPG Pitt-Glaze WB1 16-510C

Galvanized Steel

- Dulux WeatherGuard Acrylic Primer 1535 OR Gripper 250 – one coat over total surface
- PPG Pitt-Glaze WB1 16-510C

Gypsum Wallboard-drywall

- Glidden Ultra Interior Latex Primer/Sealer 36600 - one coat over total surface
- PPG Pitt-Glaze 16-510C

Wood:

- Dulux WeatherGuard Acrylic Primer 1535 OR Gripper 250 – one coat over total surface
- PPG Pitt-Glaze 16-510C

Clean-up Clean hands and tools immediately with warm, soapy water. Clean spills right away with a damp cloth.

Storage and Transportation

Keep product cool and dry.

DO NOT FREEZE

Disposal

Consult your municipality about proper disposal procedures in accordance with the laws and respect the environment or give leftover paint to someone who could use it: a neighbor or friend, a recreational service or a non-profit organization. Do not pour leftover product down the drain.

Safety Measures

Read the Material Safety Data Sheet. Avoid contact with eyes. Keep out of reach of children. Use only in well ventilated areas.

FIRST AID TREATMENT: If in contact with eyes, rinse thoroughly with clear water. If swallowed, do not induce vomiting. Call poison centre or physician immediately.

For product information call: 1-(800)-387-3663
www.dulux.ca

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