

## TECHNICAL DATA SHEET



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# EMBE® PERMAGLAZE Wall Coating

100% Solids Epoxy (Pigmented)

### Description

EMBE® PERMAGLAZE is a high performance, two-component solvent free epoxy wall coating system. The system provides exceptional resistance to impact, thermal shock and abrasion.

### Typical Uses

- Commercial kitchens
- Clean rooms, pharmaceutical facilities
- Food & beverage buildings
- Hospital operating rooms, kitchens, & bathrooms
- Food processing and meat packing plants.

### Features

- 100% solids epoxy No VOC's
- Easily cleanable surface
- High gloss light reflective finish
- Broad range chemical resistance to many alkalis and acids
- Canadian Food Inspection Agency approved

### Limitations

- Only for indoor use
- Minimum cure temperature 50°F 10°C
- Not available in bright white

### Application

#### Surface Preparation:

- Light sanding

#### Temperature

- Surface temperature min. 50°F (10°C), max. 120°F
- Humidity max 85% or at least 5°F over dew point

#### Procedures:

- Premix resin and hardener individually. Ensure no pigment remains on bottom of pail.
- Combine 2 parts A : 1 part B
- Mix with slow speed mixer at least 2 minutes.
- Apply coating at rate of 250 sq. ft. /gallon – 6 mils WFT/DFT

#### Drying: Based on temperature of 77°F

- Dry to touch – 6 hours
- Recoat – 8 hours
- Gel time – 30 minutes.
- Drying time depends on heat, humidity and thickness of film.

#### Clean up:

- Clean spills and splatter immediately with Xylol

### Typical Physical Properties

<b>Tensile Strength</b>	9,000 psi 62.1 MPa
<b>Flexural Strength</b>	10,000 psi 68.95 MPa
<b>Impact Resistance</b>	160 in. /lbs
<b>Flammability</b>	self extinguishing
<b>Shore D Hardness</b>	65D
<b>Bond Strength</b>	Greater than 1 MPa
<b>CSA</b>	25-1-94

Avoid these conditions during the first 16 – 24 hours of curing.

- Spread rates are based on 100% solids, but are affected by surface profile, roughness or porosity of the concrete. Rate achieved will also be included by technique and skill of the applicator.
- Always test adhesion by applying a test patch of 2 – 3 sq. ft. Allow to dry before checking adhesion.

### Performance Properties

<b>Strength</b>	1700 P.S.I.
Tensilo ASTM D 822	
<b>Abrasion Resistance</b>	25 mil loss after ASTM D 1044(taber) 14 day cure @ 200 Cycles with CS17wheels, 1000gr load
<b>Scrubability</b>	No effect on film after 1000 cycles
Gardener Apparatus ASTM D 2486	
<b>Surface Hardness</b>	35
(Sward Rocker)	
<b>Color Retention</b>	No fading, loss of gloss or adverse effect on film after 100 hours exposure
Fade-Ometer ASTM E 188	
<b>Fire Rating</b>	Class A Fire rating
Tunnel Test ASTM E 84	Flame Spread-5
<b>Chemical Resistance</b>	Excellent resistance to most common reagents, such as medium concentrations of acids, alkalies, and many allphetic hydrocarbon solvents. High concentrations/exposu res should be referred for evaluation
120 hour open spot test ASTM D 1308	

### Shelf Life:

- 12 months in dry, safe area.

### Components

- EMBE Wall Coat Resin and Hardener. Mix ratio 2 parts resin: 1 part hardener
- 3 gallon, and 15-gallon units.

### Safety Precautions

Please refer to product MSDS sheet.

### Performance Tips:

- During the early stages of drying, the coating is sensitive to rain, dew, humidity, and moisture condensation.