

# POLYBAC #1325

## BRUSHABLE CERAMIC EPOXY COATING

Data Sheet M-024

### 1. PRODUCT NAME

POLYBAC #1183-WB

### 2. MANUFACTURER

Polygem, Inc.  
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### 3. PRODUCT DESCRIPTION

POLYBAC #1325 is a brushable epoxy coating specially blended with abrasion resistant ceramic fillers to provide a durable barrier to protect surfaces subjected to wear and abrasion. POLYBAC #1325 is easy and apply by brush to most surfaces. POLYBAC #1325 is waterproof and resistant to most chemicals and solvents. POLYBAC #1325 is a thick and creamy epoxy coating will allow for vertical and overhead application.

#### Advantages

- Extremely durable ceramic matrix.
- Chemical Resistant
- No VOC's or Solvents
- Low Odor Formula
- Bonds to most dry surfaces

#### Uses

For the protection of metal or concrete surfaces that are exposed to abrasive environments. POLYBAC #1325 is ideal for use on:

- Pipe Elbows
- Mixing vessels
- Cyclones
- Hopper and Chutes
- Pump Casings
- Wear Plates
- Brick Corners and Transitions Areas
- Dust Collection Systems
- Chipper and Grain Bins
- Pneumatic Conveyors
- Heat Exchangers and Tube Sheets
- Augers, Fan and Impeller Blades

### 4. APPLICATION INSTRUCTIONS

- 1) Clean surface by sandblasting or grinding to provide rough white-metal profile.
- 2) Thoroughly mix 3 parts by volume of Part A Resin with one part of Part B Hardener until streak free. Mix only enough that can be applied in 45 minutes.

- 3) Spread mixed epoxy with trowel or putty knife and worked well into the surface.
- 4) Epoxy may be smoothed with a trowel dipped in a solvent.

#### Packaging

POLYBAC #1325 is available in 2 kit sizes: 4 lb. Quart Kits and 10 lb. Gallon Kits. Larger kits are available.

#### Color

Available in standard Gray or Black

#### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for min. 12 months.

#### Limitations

- Do not apply over 1/4" thick per layer. Additional thickness can be built up with multiple coats. Allow prior coat to harden to touch before the application of the next layer.
- Not for use on wet or oily surfaces.
- Do not install when surface temperature is below 45°F (7°C) or above 90°F (32°C).
- During cool conditions epoxy will cure slower, protect finished work from wear and abrasion until fully cured.

#### Cautions

- Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins. Consult Material Safety Data Sheet for full listing protective requirements.
- POLYBAC #1325 may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- For professional use only.
- Keep out of reach of children.

### 5. TECHNICAL DATA

Performance Properties  
Test/Test Method Results

Pot Life @ 77°F (100 gms)	45 mins.
Compressive ASTM D-695	10,900 psi
Tensile Strength ASTM D-638	4,950 psi
Elongation ASTM D-638	1% min.
Bond Strength ASTM C-882	1,950 psi
Shore D Hardness	85-80
Cure Time @75 F	16-24 hours
Mix ratio by volume	A/B 3:1
Mixed Viscosity	Heavy Cream
Color Mixed	Gray

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