

POLYBAC #519-WB-LG

HIGH-TEMPERATURE CERAMIC WEARING COMPOUND WITH LARGE BEADS

Data Sheet M-04

1. PRODUCT NAME

POLYBAC #519-WB-LG

2. MANUFACTURER

Polygem, Inc.
1105 Carolina Drive
West Chicago, IL 60185
Telephone: (630) 231-5600
FAX: (630) 231-5604
Internet: www.polygem.com

3. PRODUCT DESCRIPTION

POLYBAC #519-WB-LG is an epoxy paste blended with abrasion resistant large ceramic beads that was specially formulated to provide protection in areas subjected to elevated temperature conditions. High temperatures will contribute to premature failure of many polymers, but the POLYBAC #519-WB-LG will provide a durable barrier of protection up to 450 degrees Fahrenheit. POLYBAC #519-WB-LG is an easy to mix 1 to 1 by volume ratio. POLYBAC #519-WB-LG is waterproof and resistant to most chemicals and solvents. POLYBAC #519-WB-LG is a thick non-sag paste compound that will allow for vertical and overhead patching.

Advantages

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

Uses

For the patching and repair of worn metal or concrete surfaces that are exposed to abrasive environments. POLYBAC #519-WB-LG is ideal for use on:

- Ball Mills
- Heat Exchangers and Tube Sheets
- Cyclones
- Hopper and Chutes
- Pump Casings
- Wear Plates
- Dust Collection Systems
- Chipper and Grain Bins
- Pneumatic Conveyors
- Pipe Elbows
- Augers, Fan and Impeller Blades

4. APPLICATION INSTRUCTIONS

- 1) Clean surface by sandblasting or grinding to provide rough white-metal profile.

- 2) Thoroughly mix equal amounts by volume of Part A Resin with Part B Hardener until streak free. Mix only enough that can be applied in 35 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 #519-WB-LG is available in 2 kit sizes: 7 lb. - 2 Quart Kits and 30 lb. - 2 Gallon Kits.

Shelf Life

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

Limitations

- Do not apply over 5/8" thick per layer. Additional thickness can be built up with multiple coats. Allow prior coat to harden and cool 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 #519-WB-LG 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)	35 mins.
Compressive ASTM D-695	14,000 psi
Tensile Strength ASTM D-638	6,300 psi
Elongation ASTM D-638	1% min.
Shore D Hardness	90-85
Cure Time @75 F	4-5 hours
Mix ratio by volume	A/B 1:1
Mixed Viscosity	Heavy Paste
Color Mixed	Gray

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