

POLYBAC #301

HIGH-IMPACT CRUSHER BACKING

Data Sheet M-09

1. PRODUCT NAME

POLYBAC #301 High-Impact Crusher Backing

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 #301 High-Impact Crusher Backing is 100% solids epoxy resin system. It is a safe, convenient and economical way to back metal surfaces in all types of crushers and grinding mills. No special equipment or training required. POLYBAC #301 High-Impact Crusher Backing was specifically developed for use in large primary gyratory crushers and large cone crushers where severe duty is experienced. POLYBAC #301 High-Impact Crusher Backing has nearly 3 times the impact resistance that ordinary crusher backing exhibit, while combining a high compressive and tensile with safety, convenience and economy.

Advantages

- Extremely durable.
- Easy to mix and pour.
- No VOC's or Solvents
- Low Odor Formula
- Bonds to most dry surfaces

Uses:

- Backing Crushers
- Backing Grinding Mills
- Resurfacing Floor Surfaces
- Deep Pour Grouting
- Anchor Bolts
- Potting and Casting

4. APPLICATION INSTRUCTIONS

- 1) Clean surface by sandblasting or grinding to provide rough white-metal profile.
- 2) Thoroughly mix equal entire contents of Part A Resin with Part B Hardener until streak free. Use slow speed mixer and move mixer blade up and down while scraping bottom and side of mixing pail to ensure thorough mixing.
- 3) Pour mixed epoxy into area to be backed or grouted.
- 4) Epoxy may be smoothed with a trowel dipped in a solvent.

Consult Polygem for additional technical instructions or specifications.

Packaging

POLYBAC #301 High-Impact Crusher Backing is available in 2 kit sizes: 25 lb. - 2 Gallon Kits and 70 lb. - 5 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 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 #301 High-Impact Crusher Backing 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)	15 mins.
Cure Time @ 77°F	8 Hours
Compressive ASTM D-695	9,500 psi
Tensile Strength ASTM D-638	3,000 psi
Impact Strength	152
Max Operating Temp	150F
Shrinkage	.0015 in/inch
Mix ratio by volume	A/B 10:1
Mixed Viscosity	Heavy Oil
Color Mixed	Light Beige

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