



WHITMORE® CRUSH-BAC™

TWO-PART EPOXY BACKING COMPOUND

Whitmore® Crush-Bac is a solvent-free, two-part epoxy backing compound designed for backing liners and wear parts in crushers, grinding mills, and other heavy machinery used in mining and crushed aggregate operations. Crush-Bac is highly resistant to caustics, acids, oils, solvents, and other chemicals that might be introduced during milling operations. Coverage is 601 cubic inches (9,849 cubic cm) - 77% more volume than leading competitors, saving you time and money.

Ideally used for:

- Smoothing Alignment Errors
- Eliminating the Formation of Gaps between Backing and Liners or Support Structures
- Void Filling
- Vibration Reduction
- Reinforcement
- Noise Dampening
- Friction Elimination
- Maximizing Equipment Efficiency and Prolonging Operational Life



APPLICATIONS:

Applied to:

- Cone Crushers
- Gyratory Crushers/Components
- Stone Crushers
- Backing Plates
- Lock Bushings
- Grinding Mill Liners
- Other Heavy Machinery used in Mining and Crushed Aggregate Operations

BENEFITS:

- 77% more volume than leading competitors
- Low odor
- Long pot life
- Short curing time
- Wide temperature pouring range
- Solvent free
- Less downtime
- No fillers/Less water absorption
- High compression strength
- Excellent impact resistance
- Minimal shrinkage
- Superior tensile strength
- Extreme chemical resistance (Highly resistant to caustics, acids, oils, solvents, and other chemicals that might be introduced during milling operations.)
- Smooths alignment errors
- Eliminates the formation of gaps between backing and liners or support structures

POT LIFE - At 77°F (25°C) for 35 minutes. Lower temperatures provide longer working life but higher viscosity. Higher temperatures speed the cure rate and makes the epoxy easier to pour.

CURING - At 77°F (25°C) the gel time is 40-45 minutes. Full cure (back in service) in 5-6 hours. Actual time may vary based on volume of material.

CLEAN UP - Mineral spirits, M.E.K., acetone or isopropyl alcohol. All mixing equipment should be cleaned immediately after use.

PROCEDURES & INSTRUCTIONS - https://www.whitmores.com/assets/documents/CRUSH-BAC_Instructions_WH-L_10-2020-1.pdf



TYPICAL CHARACTERISTICS

Coverage	601 in3 (9,849 cm3)
Dry Service Temperature	-30 to 300°F (-34 to 149°C)
Application Temperature	50 to 150°F (10 to 65°C)
Compressive Strength	17,768 PSI (124 N/mm2)
Tensile Strength	11,169 PSI (77 N/mm2)
Viscosity	Part 1 (Resin): 16,000 cP Part 2 (Hardener): 12,000 cP
Hardness	89 Shore D
Volume Shrinkage	Minimal
Water Absorption	0.25%
Color	Final Product - Light Blue Resin - Blue Hardener - Cream

Packaging Kit:

22 lbs. net wt. (10 kg. net wt.)

Part 1 Resin - 2 GAL PAIL

Part 2 Hardener - 3.5 GAL PAIL

Shelf Life:

Two years in closed, unopened containers.

FOR INDUSTRIAL USE BY PROFESSIONALLY TRAINED PERSONNEL ONLY.

CONSULT SDS FOR SAFETY INFORMATION BEFORE USE.
[whitmores.com/technical-data](https://www.whitmores.com/technical-data)

LIMITED WARRANTY

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