Product Data

CRUSHER BACKING GROUT

Stratarock®
Layers of Protection for Industrial Equipment

Crusher Backing Grout is a 100% solids epoxy resin compound formulated for backing wear metal in all types of crushers, grinding mills and other heavy machinery used in mining and crushed aggregate operations. This material combines high impact resistance, superior compressive strength, non-flammable qualities, high stability and low shrinkage all in one system. Our **Crusher Backing Grout** offers excellent resistance to water, oil and chemicals that may be introduced during crushing and milling operations.

Applications

- Crusher wearing parts
- Hard rock crushing
- Grinding mills
- Lock eccentric bushings
- Cold temperature crusher pours
- Crusher preparation

Yield

22 lb. pail: 0.19 cu. ft.
55 lb. pail 0.49 cu. ft.
(Special Order)

Pot Life

Approx. 20 minutes

Physical & Chemical Characteristics

Compressive Strength (ASTM D-695)	16,700 psi
Compressive Modulus	4.3×10^5
Tensile Strength (ASTM D-638)	5,060 psi
Linear Shrinkage	0.0005 in/in
Heat Distortion Temp.	150°F
Bond Impact	55 ft. lb./in.
Pouring Viscosity	5,500 - 6,600 cps
Back In Service Time	4-6 Hours at 77°F
Flash Point	Over 200°F

CAUTION: Always keep out of the reach of children.

Our representatives are available to assist you. For more information on our system and products, contact Indcon at 888-809-2365.

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Stratarock®

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Packaging

Crusher Backing Grout is available in 22 lb. pail. (Special order: 55 lb. pail)

Preparation

Store **Crusher Backing Grout** in a warm area for 24 to 48 hours before pouring. Material should be at a temperature of 70°F to 80°F (21°C to 26°C). If temperatures are over 90°F (32°C), it may be preferable to cool backing by partially immersing pails in cold water for several hours. All metallic parts that will be bonded with backing grout must be clean and free of dirt, grease or oil. Normally only wear metal is bonded. All metallic parts not to be bonded should be given a thin film of release agent such as oil, wax or a commercial release agent. Divide the weight of zinc backing required by 4 to determine the pounds of **Crusher Backing Grout** required.

Crushers

Apply a thin film of release agent to all parts not intended to be bonded, e.g., crusher shell, mantel, bolt threads, etc. Assemble mating parts. Seal all openings with clay or putty to prevent leakage. Protect threaded parts by diverting flow with clay or putty dams. Mix (per instructions below) and pour **Crusher Backing Grout**. Pour at several points around cavity for faster distribution.

Mills

Coat mill shell and bolt threads with a film of release agent to prevent bonding and to facilitate removal of worn liners. Have on hand several thicknesses of steel flats to use as filler strips in spaces between liner joints. Flats keep exposed epoxy surfaces to a minimum and prevent premature erosion at joint areas. Dimensions of flats are governed by liner dimensions. Depth is approximately the same as liner depth. Install liners and position mill with two lengthwise joints at centerline. Pour joints approximately 3/4 full with **Crusher Backing Grout**. Place one or more flats into all joints being certain to make contact with mill shell. To accelerate cure time of **Crusher Backing Grout**, preheat clean steel flats to 150°F (65°C). After **Crusher Backing Grout** has gelled, rotate mill and repeat process. **Crusher Backing Grout** should be poured under bolt heads just before tightening bolts (A "v-cut" can be made in bolt head to facilitate pour). This procedure will eliminate bolt loosening and leakage through bolt holes in wet mills.

Mixing

Premix resin with power drill and stirrer for one minute or less. Scrape bottom and sides while stirring. Add entire contents of hardener can and mix for two to three minutes until no streaking is evident. First hold stirrer at an angle and then upright and move around pail perimeter and oscillate up and down. Repeat. **DO NOT MIX HARDENER WITH RESIN UNTIL READY TO POUR.** Pot life: 20 min.

Storage and Shelf Life

Materials should be stored at room temperature (75°F). Stored at room temperature in original unopened containers, materials have a 1 year shelf life.

Precautions

Read container labels and Safety Data Sheets (SDS) before using any product. Contact with either component can cause irritation. Wear protective clothing. Cover hands with chemical resistant gloves. Wear chemical splash goggles to avoid eye contact. Use only with adequate ventilation.

ADDITIONAL INFORMATION

For complete safety information refer to the material SDS. For additional information, contact us at 888-809-2365.

LIMITED WARRANTY: Product manufacturer warrants that the products are in conformance to the formulation standards of manufacturer and that such products are free from manufacturing defects. Purchaser's only remedy is replacement of the product. Manufacturer does not warrant or guarantee the workmanship performed by any person or company installing its products. In no event shall Manufacturer be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties express or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Manufacturer's part. Manufacturer neither assumes nor authorizes any person or persons to assume for us any other liability in connection with the sale of Manufacturer's products. This warranty shall not apply to any of Manufacturer's products which have been subject to alteration, abuse or misuse. Manufacturer makes no warranty whatsoever in respect to parts, materials or accessories not supplied by Manufacturer which are used in connection with its products. The purchaser accepts these terms and conditions along with Seller's General Terms and Conditions and hereby expressly waives any claim to additional damages.