

HP Crusher Backing Compound

Description:

100% solids epoxy compound having high compressive strength and impact resistance for backing wear plates in large gyratory crushers and cone crushers for extreme heavy duty crushing. It is safer and more economical than conventional zinc backing.

Recommended Applications:

- Cone crusher
- Gyratory crusher

Product feature

backing of crusher wear plates

Typical Physical Properties:

Technical data should be considered representative or typical only and should not be used for specification purposes.

Tensile Strength, PSI (ASTMD 638)	6090
Compressive strength, Kg/cm ² (ASTMD 695)	1250
Hardness, Shore D (ASTMD 2240)	87
Maximum Operating Temperature, °C	121
Mixing Ratio By Weight, (R : H)	8.190 (R) : 0.310 (H)
Pot life at 30°C, minutes	30
Full cure at 30°C, hours	6
Colour	Brown
Specific gravity	1.42
Mixed viscosity, CPS	10000

Surface Preparation :

All metallic parts should be free of rust, dirt, grease, oil etc., Seal all voids and gaps to prevent leakage. Coat bowl liners, threaded portions with ' Monarch ' Release Agent for easy removal.

Mixing Instructions	Stir Resin box individually for at least 3 minutes using slow speed stirrer to disperse any settlement that may have taken place during storage. Add entire contents of Hardener slowly but continuously to Resin while simultaneously stirring the Resin. Move stirrer up, down and around the sides of container till achievement of uniform colour.
Application Instructions:	Pour mixture from one place to fill the cavity to avoid air gaps. Use tin sheet or cardboard to direct the flow if required. Repeat the procedure for succeeding kits.
Special Instructions :	During cold condition pre-heat the substrate until warm to touch or indirect heat may be applied for shortening the cure time of epoxies.
General Instructions	In high ambient temperatures and for large volumes compound will cure faster, apply in thin layers. In low temperatures and for small volumes compound takes longer to cure, use indirect heat if required. The compound after mixing is to be used within specified pot life. The material stiffened after pot life should be discarded. Tools and equipment should be cleaned before skin formation. Refer "Chemical Resistant Chart " for chemical compatibility or contact us for on site technical support service.
Warning	In case of eye contact or skin irritation immediately flush with plenty of water and sought medical attention.
Precautions:	The information contained herein, is to the best of our knowledge & accurate. However since conditions of handling and usage are beyond our control, we accept no liability either directly or indirectly. The conduct of test application is always recommended. Due to continual up gradation of products above data is subject to change without notice. This supersedes our previously issued Technical Data Sheets.
Warranty :	Monarch will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.
Disclaimer :	All information on this data sheet is based on laboratory testing and is not intended for design purposes. Monarch makes no representations or warranties of any kind concerning this data.
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