

## SOLIDBACK ST

Standard Backing For Crushers

Solidback ST - Standard Backing is a tough, resilient backing ideal for cone and gyratory crushers, rotating mills, pulverisers and other heavy reduction machinery. Solidback ST will suit many types of crushing operations. Suitable for 5 foot crushers and gold, copper and low strength ores.

### BENEFITS:



*Non-hazardous.*



*No molten zinc and peripheral equipment.*



*100% solids co-polymer system.*



*Saves downtime and money.*



*Tough and resilient.*



*Easy and safe to use.*

### MIXING AND POURING INSTRUCTIONS FOR CONE CRUSHERS

- Premix resin using a low speed power drill (400 rpm max) for  $\pm 2$  minutes.
- While stirring, it is important to move stirrer up and down and around the sides of the pail to disperse resin evenly. Mix for  $\pm 2$  minutes. (Excessive mixing speeds cause air entrapment, resulting in foaming of the product).

### TECHNICAL DETAILS

(all at 25 °C)

Compressive Strength	In excess of 135 MPa min.
Working Time	10 - 13 minutes
Gel Time	20 minutes
Operational Time	6 hours
Mixed Colour	Beige
Kit Size	10 kg and 20 kg

- Add hardener and mix for a further 2 minutes or until a uniform colour is achieved.
- Pour mixture at several locations to ensure even distribution of Solidback ST backing material.
- In high temperature regions, assembly and pouring of crushers should be done indoors to avoid overheating of components, which could result in uneven cured properties. Alternatively pours should take place in the early morning.
- Avoid water contamination during mixing and pouring.

### APPLICATION INSTRUCTIONS

1. A light coating of release agent should be applied to all surfaces of the bowl of mantle to facilitate future removal of worn liners.  
N.B DO NOT APPLY RELEASE AGENT ONTO LINERS THEMSELVES.
2. Liners should be positioned in the crusher in the normal manner and all gaps sealed to prevent leakage of the Solidback ST backing during pouring.
3. If ambient temperature is below 15 °C, the liners as well as the bowl or mantle should be preheated to  $\pm 25$  °C.
4. Where crusher downtime is critical, curing time can be reduced by preheating contact surface to a maximum of 50 °C.

#### Gauteng

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#### Western Cape

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## STORAGE CONDITIONS

Store indoors on pallets at temperatures between 10 °C and 35 °C.

## HEALTH AND SAFETY

All work is to be done in a well-ventilated area. Overalls and eye protection required.

Provide adequate ventilation and respirators. Avoid inhaling fumes. Personnel are required to use airline respirators when torch cutting or grinding the product. Avoid contact with skin and eyes.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS Act No.85 of 1993. The finished system is not hazardous to health or the environment.

## WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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