

# SOLIDBACK HP

## High Performance Crusher Backing

Solidback HP is a high-performance crusher backing compound which is made up of 100% solids co-polymer system for backing metal wear plates in large gyratory crushers and cone crushers.

It offers excellent impact strength and resilience, together with high compression and tensile strengths. It is non-flammable, needs no melting or special equipment and has high volumetric stability that eliminates the formation of gaps between backing and liners or support structures.

### UNIQUE PRODUCT BENEFITS

- 100% reactive resin.
- Easy to use.
- No shrinkage.
- Non-hazardous.
- High impact and physical strength.

### APPLICATIONS:

Mostly used in copper, platinum, iron ore and mineral processing plants. Suitable for large gyratory and cone crushers.

### INSTALLATION:

Store material for 24 hours prior to application at a temperature not exceeding 30°C and not less than 15°C.

Surface of concaves should be free of rust, dirt, grease and oil.

Place concaves, supporting them, and ensure even spacing is obtained.

A release agent should be applied to all surfaces (except the liners) to assist future removal of worn liners.

### TECHNICAL DETAILS

Compressive Strength	> 90 MPa
Working Time (@ 25°C)	Up to 25 min.
Gel Time (@ 25°C)	40 to 45 min.
Operational Time (@ 25°C)	5 to 6 hrs
Mixed Colour	Red
Kit Size	20 kg (12.4 L)
Storage	Store indoors on pallets at temperatures between 10°C and 35°C.

Seal gaps between concaves with **Solidbond 110** paste mix to prevent leakage.

Make sure that during application the ambient temperature is not below 15°C. Apply heat to the shell to bring the temperature up to the specified level, preferably 32°C, but not more than 60°C.

Mix the resin for one minute using a low speed mixer and while stirring add hardener to the mix at a slow continuous rate.

Mix contents for about three minutes until one achieves a uniform colour.

Pour the mixture around the concave ring ensuring that an entire row of concaves is fully backed.

To accelerate curing apply heat to the face side of the concaves.

Repeat this procedure for the installation of the balance of the rows of concaves.

**Leading manufacturers of specialist epoxy and polyurethane flooring systems, specialised construction and corrosion protection products.**

Distribution facilities nationwide

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## HEALTH AND SAFETY

Provide the correct protective wear which include ventilation and respirators, overalls and eye protection.

When torch cutting and grinding the product airline respirators are to be used.

Avoid contact with skin and eyes.

Avoid inhaling fumes.

All work is to be done in a well-ventilated area.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA 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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