

20kg PART NUMBER 9505-9908

### “THE ULTIMATE IN BACKING”

#### TECHNICAL DATA

Components	Two Parts – Resin & Hardener
Appearance (Resin)	Grey
Appearance (Hardener)	Green
Kit sizes	20kg

#### DESCRIPTION:

**NORDBAK® PRIMARY BACKING** is a blended co-polymer product giving high compressive and high impact strengths together with improved tensile strength. 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. Ideally suited to Chrome, Platinum, Manganese and Iron ores to improve liner life.

#### 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.

#### PHYSICAL PROPERTIES

Compressive strength	Suitable for Primary Crushers
Working time	25 Minutes
Gel time @ 25°C	30 - 65 Minutes
Operational time	8 Hours

#### APPLICATION INSTRUCTIONS

- Store backing material and liners between 16°C - 26°C for 24 hours prior to application.
- Backing surface of liners should be free of rust, dirt grease or oil.
- Place the first row of liners and support them in the usual manner. Use wood strips around each liner to obtain even spacing.
- A light coating of release agent should be applied to all surfaces of the bowl or mantle to facilitate future removal of worn liners.
- **N.B. DO NOT APPLY RELEASE AGENT ONTO LINERS THEMSELVES.**
- Seal gaps between liners to prevent leakage with **NORDBAK® TROWEL MIX**.
- If ambient temperatures are expected to be below 16°C, apply heat with torches between

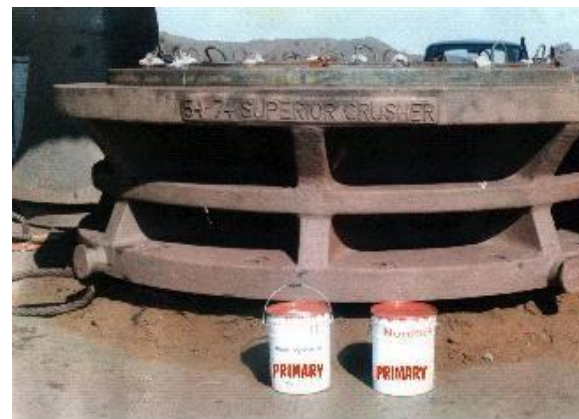
liners and the shell to bring the temperature up to the specified level.

- Premix resin in the tin for one minute using a low-speed drill.
- Thereafter add hardener contents, from the small bottle, mix at a slow continuous rate. Move stirrer up and down and around the sides of the pail until the contents are a uniform colour and all solids are in suspension.
- Pour the mixture at several locations around the liners.
- After the entire row is fully backed, more heat can be applied to the face side of the liners to accelerate curing, while the next row of liners is being installed.

#### SAFE HANDLING PROCEDURES

#### WARNING

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.



#### TECHNICAL TIPS FOR WORKING WITH PRIMARY BACKING:

**Working time and cure depends on temperature and mass:**

- The higher the temperature, the faster the cure.
- The larger the mass of material the faster the cure.

**To speed up the curing time at low temperatures:**

- The lower the temperature, the longer the cure.
- In cold weather, store kits in a warm area and warm the resin between 15 -25°C before mixing.
- Pre-heat surface until warm to the touch.

**DO NOT MIX RESIN AND HARDENER UNTIL READY TO COMMENCE.**

NORDBAK® has a wide variety of resin systems now available. **Crusher:** NORDBAK® Fast-set and Deep Pour Grouts, NORDBAK® Trowel mix, NORDBAK® Primary, High Performance and Standard **Backing Compounds:** Wearing compounds include NORDBAK® **High Temperature Wearing Compound:** NORDBAK® High Temperature Pneu Wear, NORDBAK® Regular Wearing Compound, NORDBAK® Nordwear 5, Nordwear 8 and Nordtile wearing compounds and the Nordcoat Acid resistant coating range.

### PROTECTION:

- All work is to be done in a well-ventilated area.
- Overalls and eye protection required.
- Refer to Material Safety Data Sheet.

### STORAGE:

Store indoors on pallets at temperatures between 10°C and 35°C. Keep container tightly closed and away from acids and oxidizers. If product is removed from container do not return it to original container as contamination may have occurred.

### DISCLAIMER:

The information provided in this data sheet including the recommendations for use and application of this product are based on our knowledge and practical experience and laboratory tests of the product as at the date hereof. This data sheet shall be used as a guide to the user's application.

This product has been designed for specific applications based on normal working and operating conditions, and although it may be used in different applications and working conditions such instances are beyond our control. Therefore Nordbak shall not be liable for the suitability/merchantability of our product in your application unless we have specifically advised so in writing. Accordingly, we advise that you conduct your own investigations to confirm the suitability of our product, as it ultimately remains the user's responsibility to protect property and persons against hazards emanating from the handling and use thereof. Accordingly, any civil liability as a result of damages, injury, or death, in respect of the information in this data sheet, or any other written or oral recommendation(s) regarding the suitability of this product, are hereby excluded. Furthermore Nordbak shall not be liable under any circumstances for any consequential or incidental damages of any kind, including but not limited to loss of profits.

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