

20kg PART NUMBER 9505-9905

10kg PART NUMBER 9505-9901

TECHNICAL DATA

Components	Two Parts – Resin & Hardener
Appearance (Resin)	Grey to White
Appearance (Hardener)	Blue
Kit sizes	10kg 20kg

DESCRIPTION:

NORDBAK® Backing Materials are tough, resilient, and ideal for:

Cone Crushers	Rotating Mills
Primary Gyratory Crushers	Pulverisers Heavy reduction machinery

Since the advent of non-metallic backing and followed by years of research and development, **NORDBAK®** has established a proven range of Backings to suit all 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.

PHYSICAL PROPERTIES (all at 25°C)

Compressive strength	140 MPa min
Working time	10 Minutes
Gel time @ 25°C	20 - 28 Minutes
Final Cure time @ 25°C	6 Hours

MIXING AND POURING INSTRUCTIONS FOR CONE CRUSHERS

1. Premix resin using a low-speed power drill (400 rpm max) for ± 2 minutes.
2. While stirring, it is important to move the stirrer up and down and around the sides of the pail to disperse resin evenly. Mix for ± 3 minutes. (Excessive mixing speeds cause air entrapment, resulting in foaming of the product).
3. Add hardener and mix for a further 2 minutes or until a uniform colour is achieved.

4. Pour mixture at several locations to ensure even distribution of **NORDBAK® BACKING** material.
5. 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.
6. 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 or mantle to facilitate future removal of worn liners.
2. **N.B. DO NOT APPLY RELEASE AGENT ONTO LINERS THEMSELVES.**
3. Liners should be positioned in the Crusher in the normal manner and all gaps sealed to prevent leakage of the **NORDBAK® BACKING** during pouring.
4. If the ambient temperature is below 15°C, the liners as well as the bowl or mantle should be preheated to ± 25°C.
5. Where Crusher downtime is critical, curing time can be reduced by preheating contact surface to a maximum of 50°C.

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 STANDARD 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.

Pour all hardener into the resin and mix thoroughly until a uniform colour is achieved.

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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