

2.8kg PART NUMBER 9505-9960

### Technical Data

Components	Two Parts – Resin & Hardener
Appearance (Resin)	Grey
Appearance (Hardener)	Blue
Kit sizes	2.8kg

### DESCRIPTION:

The development of original non-metallic **NORDBAK® Wear Metal Backing** eliminated the need to prepare and pour molten zinc or Babbitt for backing wear metal in cone crushers. However, until the development of **NORDBAK® Locking Compound**, it was still necessary to use molten metal to lock the inner and outer eccentric bushings on Symons Cone Crushers. Now, dangerous, and costly molten metal can be completely eliminated from crusher maintenance procedures by using **NORDBAK® Locking Compound**. Melting and pouring equipment and special protective gear is also eliminated.

**Locking Compound** is a high temperature and high impact material for locking inner and outer eccentric bushes in Symons Cone Crushers. It is safe and easy to use. You save time and money with **Locking Compound** because all you do is mix and pour at room temperatures. No special training or experience is required.

**NORDBAK® Crusher Backing** material is unsuitable as a Locking Compound, due to the fact that it has no heat transfer properties and is therefore not a good conductor of heat and can result in overheating of the bushes, making them difficult to remove, as they cannot be drilled.

**Locking Compound** has a high co-efficient of thermal conductivity, which reduces overheating and can be drilled to facilitate removal of worn bushes.

### BENEFITS OF USING NORDBAK® LOCKING COMPOUND:

- 100% Solids co-polymer system.
- Saves downtime and money.
- Tough and resilient.

### PHYSICAL PROPERTIES

Maximum operating temperature	140°C
Compressive strength	83 MPa
Tensile strength	41 MPa
Hardness shore D	80
Working time at 21°C	10 Minutes
Gel time	20 Minutes @ 25°C
Cure time	8 Hours
Kit size	2.8kg / 1.69 litres

### MIXING AND POURING INSTRUCTIONS

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

- To ensure adequate curing, minimum substrate temperature should be above 10°C.
- Ensure no ingress of water during mixing.
- Mix resin thoroughly using a low-speed power drill (400 rpm).
- Pour all hardener into the resin and mix thoroughly until a uniform colour is achieved.
- Pour Immediately.
- Pot life after mixing is 10 minutes.

#### APPLICATION INSTRUCTIONS:

- Prepare inner and outer eccentric bushes by forming a dam of putty around the opening where the locking compound will be poured.
- The putty will act as a funnel and minimize the possibility of spilling over onto the side of the bushes.
- One kit is enough to lock the inner eccentric bushes on all of Symons Cone Crushers and the outer eccentric bushes on all sizes except the 5½' Short head and Standard Cone Crusher which needs two kits.

#### SAFE HANDLING PROCEDURES

##### WARNING:

It is necessary to use a cutting torch to remove parts backed by Nordbak backing material. Provide adequate ventilation. Avoid inhaling fumes. Personnel are required to wear airline respirators when torch cutting, grinding, or chipping the product.

Avoid contact with skin and eyes.

#### TECHNICAL TIPS FOR WORKING WITH LOCKING COMPOUND:

##### 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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