

4 x 1kg PART NUMBER 9505-9919
12kg PART NUMBER 9505-9918

TECHNICAL DATA

Components	Two Parts – Resin & Hardener
Appearance (Resin)	Pale Cream
Appearance (Hardener)	Blue
Kit sizes	4 x 1kg 12kg

DESCRIPTION:

NORDBAK® Trowel Mix is ideal for backing liners in all types of mills. Its paste-like consistency eliminates the need for dismantling the mill or removing the grinding charge. It trowels easily in place in any area of a mill where backing material is required. It is particularly useful in backing headliners, division heads and diaphragms. In addition to backing liners, **NORDBAK® Trowel Mix** serves to secure liner bolts in their holes.

PHYSICAL PROPERTIES

Compressive strength Test method ASTM D695-54	110 MPa
Tensile strength Test method ASTM D38-61T	27 MPa
Gel time Test method SPI-ERF-B70	45-50 Minutes at 25°C
Specific gravity after curing	1,7
Working time	15 Minutes at 25°C
Shear strength	48 Mpa

APPLICATION INSTRUCTIONS:

1. Remove one or two accessible rows of worn liners.
2. Coat shell and new bolt threads with grease or oil to prevent adhesion of **Trowel Mix** and permit future removal of liners.
3. Hold new liner away from shell with handling bar and apply mix to back and bolt holes of liner.
4. Tightening liner against the shell distributes **Trowel Mix** evenly.
5. After **Trowel Mix** has set (about 90 minutes at 25°C), rotate mill so next set of liners can be replaced.
6. If needed, metal flats can be inserted, as fillers between or behind liners after spaces are $\frac{3}{4}$ full of **Trowel Mix**.
7. The mix sets in about 90 minutes (depending on ambient temperatures) when applied in thin coats.

8. For best results, application should be made at 25°C.
9. Measure (by weight or volume) one part hardener to four parts resin.
10. Unused portions may be resealed in their cans for future use.
11. Thoroughly mix resin and hardener until colour is uniform.
12. Apply Trowel Mix to backs and bolt holes of liners, within 30 minutes after mixing. That's all.

TECHNICAL TIPS FOR WORKING WITH TROWEL MIX:

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.

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.

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.



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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