

4 x 1kg PART NUMBER 7459-6146

TECHNICAL DATA

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

DESCRIPTION:

NORDBAK® Nordtile FS is a fast curing co-polymer trowelable monolithic paste with excellent wear properties together with resilience, high impact strength and chemical resistance.

Using the latest chemical technology available **NORDBAK® Nordtile FS** has been designed specifically for slurry pump casings, chutes and high wear abrasion applications.

NORDBAK® Nordtile FS can be applied seamlessly on new equipment or as patch repair on worn areas with minimum downtime. **NORDBAK® Nordtile FS** is also used to smooth edges where conventional tiles join or have fallen out.

NORDBAK® Nordtile FS is suitable for both waterborne slurries and pneumatic conveyancing.

NORDBAK® Nordtile FS contains fillers with exceptional abrasive, chemical and corrosion resistance.

The product is also heavily filled with high-density fillers to assist with heat dissipation.

FEATURES

Co-polymer chemistry

Bead Structure

BENEFITS

- Harder than epoxy.
- Improved heat resistance.
- Improved chemical resistance.
- Easier to use than epoxy.
- The chemical composition of the polymer is such that more solids can be used resulting in better wear properties.
- Irregular beads overlap forming a carpet of wear resistance.
- Polymer does not wash out.

PHYSICAL PROPERTIES

Hardness	80 Shore D DIN 53 505
Acid Resistance (immersion at ambient)	Sulphuric Acid 50%
Temperature Limit	200°C continuous for pneumatic flow. Immersion temperature dependent on contents.
Impact Strength	6.0 Jm ⁻¹
Gel Time	30 minutes @ 25°C
Working Time	15 minutes @ 25°C
Coverage (4 x 1kg)	0.25 m ² @ 6 mm

APPLICATION

After the surface has been grit blast cleaned and roughened, (SA2½ and 70µm profile), warm the surface slightly to 25-30°C.

This procedure allows the polymer to liquefy and flow freely into the pores of the material providing a positive gripping action.

NORDBAK® Nordtile FS should be applied to a minimum thickness of at least 6mm for best results.

NORDBAK® Nordtile FS will bond securely to itself, although, surfaces should be clean, dry and in sound condition with no loose or flaky contaminants present.

Working time of **NORDBAK® Nordtile FS** is approximately 15 minutes at room temperature.

This is ample time for large applications and hard to reach areas.

TECHNICAL TIPS FOR WORKING WITH NORDTILE FS:

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.

MIXING INSTRUCTIONS

- Premix resin using a low-speed power drill (400 rpm max) for \pm 2 minutes.
- 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 \pm 3 minutes. (Excessive mixing speeds cause air entrapment, resulting in foaming of the product).
- Add hardener and mix for a further 2 minutes or until a uniform colour is achieved.

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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