

10kg PART NUMBER 9000-0110
4X1kg PART NUMBER 9000-0140

TECHNICAL DATA

Components	Two Parts – Resin & Hardener
Appearance (Resin)	Pale Green
Appearance (Hardener)	Black and white beads
Kit sizes	4 x 1kg 10kg

DESCRIPTION:

Fixwear Wearing Compound is ideal for armour-surfacing high wear areas caused by solids or slurries. Contains sapphire hard alumina ceramic beads in co-polymer resin. The Irregular beads take the wear and prolong life of the base material.

Fixwear Wearing Compound is easy to mix and apply to any surface. It is trowelable and can even be hand-smoothed with a rubber glove. It conforms to any shape including curved surfaces such as cones and elbows. Use of this advanced material cuts downtime to a minimum. At normal room temperature, curing is complete in 6 – 8 hours – far less if heat is applied.

Fixwear Wearing Compound will bond to all types of wear metal with proper surface cleaning. **Fixwear Wearing Compound** can be used wherever high wear conditions have been wearing production profits.

NORDBAK® FIXWEAR WEARING COMPOUND: WHERE TO USE IT:

Idlers	Conveyor Skirts
Sheaves	Feed Chutes,
Pump Casings,	Wear Plates
Rod and Ball Mills,	Slurry Lines
Pan Feeders	Pipe Elbows
Buckets	

PHYSICAL PROPERTIES

Impact (falling ball)	3.45 Jm ⁻¹
Compressive Strength Test Method ASTM D-695-54	100MPa
Heat deflection temperature Test Method ASTM D648	68°C
Lap Shear Strength Test Method ASTM D-1002-53T	13.8 MPa
Gel Time Test Method SPI-ERF 13-70	90 Minutes @ 25°C
Working Time	30 Minutes @ 25°C

APPLICATION INSTRUCTIONS:

Clean oil, rust, dust and water from surface. Grind or sandblast if needed, but leave surface rough, not polished. Prepare only the amount of **Fixwear Wearing Compound** required, mixing resin and hardener in 3 to 1 ratio either by mass or volume. Unused portion may be resealed in cans for future use. Apply small amount of mix to pre-heated surface and rub in to insure proper adhesion. Then apply remaining compound. Normal cure cycle is 6 hours and an operating temperature of at least 25°C.

RELATIVE WEAR RESISTANCE OF FIXWEAR FS WEARING COMPOUND VS. OTHER WEAR MATERIALS (SLIDING FINE GRAIN ABRASION)

Diamond	10.00
Boron Nitride	8.00
Ceramic Al ₂ O ₃	6.00
FIXWEAR WEARING COMPOUND	4.60
Tungsten Carbide	4.50
Silicon Carbide (Cemented)	3.00
Urethane	2.50
Gum Rubber	1.00
Neoprene	.75
Ni-hard Cast	.60
Ti Steel Plate	.50
C Steel Plate	.30
Aluminium	.10

APPROXIMATE COVERAGE

Kit will cover 0.4 m² X 5 mm thick, or 0.8 m² X 3 mm thick.

TECHNICAL TIPS FOR WORKING WITH FIXWEAR:

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.

To slow the curing time at high temperatures:

- Mix kit in small masses to prevent rapid curing.

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

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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