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FIXWEAR WEARING COMPOUND

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

DESCRIPTION

Fixwear Wearing Compound is ideal for armour-surfacing high wear areas caused by solids or slurries. Contains sapphire hard alumina ceramic chips 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 on idlers, sheaves, pump casings, rod and ball mills, pan feeders, buckets, conveyor skirts, feed chutes, wear plates, slurry lines and pipe elbows – wherever high wear conditions have been wearing production profits.

TYPICAL FIXWEAR WEARING COMPOUND

Impact (falling ball)	3.45 Jm ⁻¹
Compressive Strength	100MPa
Test Method ASTM D-695-54	
Heat deflection temperature	68°C
Test Method ASTM D648	
Lap Shear Strength	13.8 MPa
Test Method ASTM D-1002-53T	
Gel Time	90 Minutes @ 25°C
Test Method SPI-ERF 13-70	
Working Time	30 Minutes @ 25°C
Kit size	10 kg and 4 x 1 kg

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 2 to 1 ratios 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 ensure 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 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 1.0 m² X 5 mm thick, or 2.0 m² X 2.5 mm thick.

STORAGE CONDITIONS

Store indoors at temperatures between 10°C and 35°C

PROTECTION:

All work is to be done in a well-ventilated area.

Overalls, rubber gloves and eye protection required.

NORDBAK® has a wide variety of resin systems now available. Crusher products include **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.

For further product information please
refer to our website www.nordbak.co.za

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15 Sep. 10