

NORDBAK DEEP POUR GROUT - MAXIMIZING STRENGTH AND ECONOMY

Tested against and complies with South African National Standard 241 (Drinking Water)

Part Number: 9505-9550 (20KG)

Description:

NORDBAK® Deep Pour Grout is a highly durable 100% solids co-polymer grout designed to deliver unparalleled strength and cost-effectiveness. Engineered with a graded aggregate filler, this formulation significantly enhances the volume of the mixed grout without compromising its strength.

This unique formulation means that users can achieve a larger coverage area with less material, making it a highly cost-effective solution for various grouting applications. Unlike traditional grouts, **NORDBAK® Deep Pour Grout** allows for significant savings without compromising on quality or performance.

Features:

NORDBAK® Deep Pour Grout engineered to handle substantial pour volumes, starting from 25mm and upwards. Its semi-fluid consistency facilitates smooth flow, allowing it to easily maneuver under rails and sole plates while exhibiting self-leveling properties. This grout reliably maintains critical alignments and withstands high torque loading and vibration, ensuring structural integrity in demanding environments. It forms secure bonds with steel and concrete surfaces and remains unaffected by operating temperatures up to 71°C. With a rapid setting time, machinery becomes operational within 24 hours at 21°C after application.

Intended Use:

NORDBAK® Deep Pour Grout is intended for use in a variety of applications including diesel or gas engines, gear cutting machines, compressors, engine test stands, generators, pulverizers, blowers, hammermills, air conditioner units, large pumps, outboard bearings, bridge seals, rail approaches, punch presses, structural columns, and jolt machines.

Limitation:

Please note that the customer is responsible for selecting the appropriate product, and Nordbak accepts no responsibility in this regard.

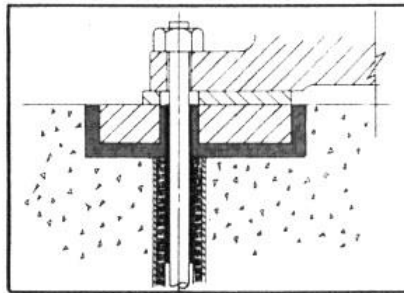
Product Performance:

NORDBAK® Deep Pour Grout's self-leveling capabilities ensure precise alignments, reliably maintaining critical positions even under the strain of high torque loading and vibrations.

Advantages:

To enhance convenience, all components are conveniently packed into a single container, which doubles as a mixing vessel. Mixing and application are streamlined into a straightforward two-person task, eliminating the need for expensive mixers or vibrators. Additionally, time-consuming cleanup has been effectively minimized.

**Proof Of Strength:
Grouting 72 Tonne
Engine-Generator Set:**



NORDBAK® Deep Pour Grout demonstrated its effectiveness in grouting a 12-cylinder, 3700-hp diesel engine and a 2650-kW generator successfully. The engine, weighing 52 tons, and the generator, along with its outboard, weighing 20 tons, were carefully positioned. Levelling shims were initially placed along the bottom of the foundation

before lowering the engine, which had 18 support shims and six lengthwise rails, into place. Rail levelling screws were then used to ensure precise alignment. Following the same meticulous procedure, the generator was similarly positioned and levelled before the complete foundation was grouted.

Technical Data:

Compressive Strength (ASTM D695)	131 MPa
Tensile Strength (ASTM D638)	17 MPa
Impact (Double Hammer)	52
Specific Gravity (Combined)	2.04
Shore Hardness	85
Working Time at 21°C	30 minutes
Gel Time at 24°C.	60 minutes
Time to reach Operating Strength at 24°C	24 Hours (Full Cure)
Shelf-life	12 months
Kit contains after mixing	Approximately 10,4 litre
Kit will cover	0.0102m ³ @ 10.2mm thick
Application	<ul style="list-style-type: none"> • Structural columns & base plates • Bridge seals • Rail approaches • Punch presses • Jolt machines • Hammermills • Large pumps • Generators • Anchor bolts • Cavities in concrete • Reinforcing bars • Installation of anchors • Machinery base plates • Compressors • Engine test stands • Pulverizers • Blowers • Air conditioner units • Outboard bearings • Crane rails • Cables
Product Features	<ul style="list-style-type: none"> • Strength • Cost-effectiveness

Product Appearance:

	<ul style="list-style-type: none"> • Unaffected by operating temperatures up to 71°C • Self-leveling capabilities • Excellent bond to concrete
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Components	Resin, hardener and aggregate
Appearance (Resin)	Colourless to yellow
Appearance (Hardener)	Clear
Appearance (Combined)	Light Grey
Colour	Please note that there may be a slight potential variation in colour between batches.
Kit Size	20kg

Mixing:

All components – resin, hardener and aggregate – are packed in a sealed 20kg pail for ease of handling and mixing. Since all ingredients are pre-measured, mixing in batches less than kit size is not recommended. Normally, in fact, several kits will be mixed at once.

- After opening container, remove plastic bucket and plastic bottle.
- Mix aggregate by hand or with trowel until the stone and powder are fully mixed.
- Pour contents of plastic bucket over aggregate and using a slow speed drill (400rpm), mix until a paste mixture is achieved.
- Add contents of plastic bottle and mix thoroughly to a uniform consistency.
- Pour contents directly into areas where Grout is required with a minimum of delay – maximum 10 minutes.

Equipment:

The only equipment needed is a 13mm electric drill and a triangular mixing paddle 100mm on each side, constructed of 12mm rebar or steel rod, with a finished overall length of 350mm to 400mm, to reach the bottom of the pail without immersing the drill chuck.

**Product Application:
Temperature:**

Temperature materially affects the working life of **NORDBAK® Deep Pour Grout**, that is, the length of time it remains relatively fluid after mixing the components. The lower the temperature, the longer the working life. The grout is formulated for fast and easy pouring at temperatures between 13°C and 21°C and has a working life at approximately 30 minutes. When temperature is above 35°C, immerse unopened containers in cold water for a few hours before mixing. In cold weather, store grout kits in a warm area and warm to at least 15°C before mixing. If possible, after pouring maintain temperature of at least 13°C for 24 hours or longer.

Do not mix resin and hardener until ready to commence.

Preparing Foundation:

Follow manufacturer's print. For best results provide a pouring area of 50mm or more between foundation and rail or sole plate. It may be advisable to chisel out pockets if access is restricted. The larger the access area, the greater the head pressure, and the better the grout will flow.

Pour grout as soon as possible after mixing. If the cavity is well vented, grout may be poured from one side provided all air is forced out from under rails or sole plates. A trough fashioned of tin or cardboard may be helpful in directing flow into restricted areas. Although the grout has excellent flow characteristics, you may wish to help it along with push rods or rebar. If desired, exposed surfaces may be finished with a thin layer of the resin and hardener only, without the aggregate, or a layer of **NORDBAK® Fast Set Grout**.

Curing Schedule:

Temperature	12,8°C	21,1°C	26,7°C	32,2°C
Working time after mixing (min)	45	30	20	15
Cure time (hours)	36	24	20	18

Technical Tips:

Working and cure times is depended on temperature and mass:

- The higher the temperature, the faster the cure.
- The larger the mass of **NORDBAK® Deep Pour Grout** the faster the cure.

To speed up the curing time at low temperatures:

- In cold weather, store kits in a warm area and warm the resin to at least 15°C before mixing.
- Pre-heat repair surface until warm to the touch.

Protection:

- All work to be done in a well-ventilated area.
- Ensure the use of adequate PPE to be worn upon mixing and application.
- Refer to Material Safety Data Sheet.

Storage:

Store **NORDBAK® Deep Pour Grout** 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.