

DATA SHEET / NS GROUT NP

*NATURAL AGGREGATE HIGH STRENGTH, NON-SHRINK, NON-POURABLE
GROUT FOR BULK GROUTING*

GENERAL DESCRIPTION:

NS GROUT NP is a premixed ready-to-use dry grout with a precise blend of graded siliceous and pea gravel aggregates, controlled chemicals, incorporating shrinkage compensating ingredients and Portland Cements to produce a workable non-shrink grout. It is grey coloured, non-oxidising and has no added chlorides or nitrates.

ADVANTAGES:

- NS GROUT NP provides precision support under load bearing elements such as machine base plate, crane and transporter rails, stanchions and column bases, anchor bolts, precast units, bridge bearings and for repairing of honeycomb in concrete, etc.
- NS GROUT NP is a precision grout for use when a workable consistency is required and when the principal requirement is a shrink free grout.
- High Early Strength - facilitates rapid installation and operation of machinery.
- A non-shrink grout that hardens, free of bleeding, settlement or drying shrinkage, maintaining tight contact with the underside of grouted elements.
- Workable Consistency – a grout when mixed and placed at workable consistency remains free from segregation and bleeding.
- Iron free – non-metallic aggregate grout use where a concrete or mortar appearance is required.
- Durability – a dense and ultimate high strength grout which withstands repetitive loading requirements.

PRECAUTIONS:

Site and laboratory tests should be determined on desired placing rather than strictly on the water content. This must be established prior to placing the grout.

DIRECTIONS:

All equipment to be grouted must be free of grease, oil and dirt and the concrete surface must be scabbled, cleaned and be well saturated for 24 hours prior to grouting. Do not mix more grout than can be used in approximately 30 minutes. Once the grout has worked and bled, do not re-temper by adding water. Temperatures of both the grout and all elements coming into contact with the grout should be in the range of 10°C-26°C. Do not grout in freezing conditions.

WATCH POINTS:

- Always place grout from one side only. Do not pour grout from both sides as this will result in entrapment of air creating a gap (air pocket) between the underside of bedplate and grout.
- Do not use contaminated water or excess water or at a temperature that will produce bleeding, segregation, delayed hardening and low strengths.
- For normal precision grouting where the thickness of the grout is less than 100mm, refer to our NS GROUT N or NS GROUT GP technical data sheets.

TECHNICAL DETAILS

<i>Initial Set</i>	Approximately 2 hours at 20°C
<i>Final Set</i>	Approximately 4 hours at 20°C
<i>Flow Characteristics</i>	Flowable
<i>Shrinkage</i>	Non-shrink
<i>Operating Temperature</i>	Between 5C - 200C. Permissible for use with equipment. Exposed to the above temperature parameters
<i>Storage Life</i>	Up to 6 months when stored undercover in dry conditions
<i>Yield</i>	25Kg with 3.2 – 3.5 litres water gives 12 litres of grout
<i>Packaging</i>	25Kg in woven polypropylene bags
<i>Strength</i>	The strength of NS GROUT NP is dependent on the water content, curing procedure and age of hardened grout. The above must be considered, to determine the earliest equipment or machinery can be put into operation. Protect from freezing until cured for 28 days.