

DATA SHEET / NS GROUT N

GENERAL DESCRIPTION

NS GROUT N is a premixed ready-to-use dry grout with specially graded siliceous aggregates, shrinkage compensating chemicals and blended with Portland Cements to produce a fluid non-shrink grout. It is grey in colour, is non-oxidising and has no added chlorides or nitrates.

ADVANTAGES

- NS GROUT N is a fluid grout that provides precision support under load bearing elements such as machine base plates, sole plates, crane and transporter rails, stanchions and column bases, anchor bolts, turbines, pump, generators, precast units and bridge bearings.
- NS GROUT N is a specially designed precision grout for use where high fluidity is required and when the principal requirement is a shrinkage free grout.
- High Early Strength - obtains a minimum compressive strength to facilitate rapid installation and early operation of machinery and structures.
- A non-shrink grout that hardens, free of bleeding, settlement or drying shrinkage, maintaining tight contact with the underside of grouted elements
- The grout, when mixed and placed at any consistency, fluid, damp pack or pumped, still remains free from segregation and bleeding.
- Iron Free: A non-metallic aggregate grout used where a concrete or mortar appearance is required.
- Durability - a dense and ultimate high strength grout which withstands repetitive loading requirements.
- Reliability – Premixed, thus eliminating costly on-site blending errors.

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 ± 30 minutes. Once the grout has stiffened, 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

- Site and laboratory tests should be determined on desired placing consistency rather than strictly on the water content. This must be established prior to placing the grout.
- 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, excess water or at a temperature that will produce bleeding, segregation, delayed hardening and low strengths.
- Bulk Grouting - Whenever the thickness of grout is in excess of 100mm, use NS GROUT NP.

TECHNICAL DETAILS

Initial Set	Approximately 2 hours at 20°C
Final Set	Approximately 4 hours at 20°C
Flow Characteristics	Fluid
Shrinkage	Non-shrink
Storage Life	Up to 1 year when stored dry and under cover
Yield	25Kg mixed with 4 liters gives 13 liters
Packaging	25Kg in woven polypropylene bags
Compressive Strength	45MPA / 28 Days