

DATA SHEET / NS GROUT GENERAL PURPOSE

GENERAL DESCRIPTION:

General Purpose Natural Aggregate Workable Non-Shrink Grout
NS GROUT GP is a premixed ready-to-use dry grout with specially graded siliceous aggregates, shrinkage compensation chemicals and blended with Portland Cements to produce a non-shrink grout. It is grey coloured, non-oxidising and has no added chlorides or nitrates.

ADVANTAGES:

- Non-shrink, Workable consistency
 - Precision support under load bearing elements: machine base plates, crane and transporter rails, Stanchions and column bases, anchor bolts, precast units, bridge bearings and for repairing of honeycomb in concrete
 - High Early Strength. Obtains a minimum compressive strength to facilitate rapid installation and early operation of machinery / structures
 - Free of bleeding and settlement maintaining tight contact with the underside of grouted elements. The grout when mixed and placed does not flow and remains free from segregation and bleeding
 - Non-metallic: iron free aggregate grout used where a concrete or mortar appearance is required
 - Durability - a dense and ultimate high strength grout which withstands repetitive loading
- Requirements

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 grout than cannot 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.

MIXING:

Damp down the inside of the grout mixer with water prior to mixing the initial batch of NS GROUT GP. Ensure there is no free standing water present in the mixer. Add the premeasured quantity (4 - 4.5 L) of water to the mixer and then slowly add the product with continuous mixing. Mix for 3 - 5 minutes until a smooth, uniform, lump free mix consistency is achieved.

PLACING:

Place immediately after mixing, into the prepared area in such a manner that the grout has the shortest distance to flow. Place with use of a trowel to achieve desired positioning and finish.

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 water in an amount or at a temperature that will produce bleeding, segregation delayed hardening and low strengths.

<i>Initial Set</i>	Approximately 2 hours at 20°C
<i>Final Set</i>	Approximately 4 hours at 20°C
<i>Operating Temperature</i>	Between 5C - 200C. Permissible for use with equipment. Exposed to the above temperature parameters
<i>Storage Life</i>	Up to 1 year stored undercover in dry conditions
<i>Yield</i>	25Kg with 4 – 4.5 liters water gives 13 liters of grout
<i>Packaging</i>	25Kg in woven polypropylene bags
<i>Compressive Strength</i>	45MPA / 28 Days