



MCON NSG 40

FREE FLOW NON SHRINK HIGH STRENGTH CEMENTITIOUS GROUT



Product Description :-

MCON NSG 40 is a blend of Portland cement, graded fillers and chemical additives which impart controlled expansion in the plastic state whilst minimizing water demand. The low water demand ensures high early strength. The graded fillers are designed to assist uniform mixing and produce a consistent free flowing grout. It is suitable for gap widths between 10 mm-50 mm

Features & Benefits :-

- Dual Expansion – Expands in plastic state as well as post initial setting.
- Low water permeability – excellent resistance to ingress of water so can be used in Tie rod holes grouting.
- Pre packed – Factory controlled mixing avoids onsite batch mixing variations.
- Free Flow – Ensures that the grout easily reaches in all slots of the grouting area.

Areas of Application :-



Machine Foundation Grouting



Heavy Duty Machines



Tie Rod Holes / Slots



Turbines

Technical Specification :-

Age in Days	Compressive Strength (N/mm ²) WP – 0.18
1	20
3	30
7	38
28	40

Tensile Strength	2.8 N/mm ²
Time for Expansion	120 minutes
Fresh Wet Density	1750 Kg/m ³



ENGINEERING GROUT



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Easy To Apply :-

Surface Preparation :-

- Foundation surface: The substrate surface must be free from oil, grease or any loosely adherent material.
- If the concrete surface is defective or has laitance, it must be cut back to a sound base.
- Bolt holes and fixing pockets must be blown clean of any dirt or debris.

Mixing :-

- For best results a mechanically powered grout mixer should be used.
- When quantities up to 50 kg are used, a heavy duty slow speed drill (400-500 rpm) fitted with a paddle is suitable. Larger quantities will require a heavy duty mixer.
- The quantity of clean water required to be added to a 25 kg bag to achieve the desired consistency is given below :

o Pourable : 4.000 litres

o Flowable : 4.250 litres

- The selected water content should be accurately measured into the mixer.

Mixing :-

- At 30° C place the grout within 20 minutes of mixing to gain full benefit of the expansion process.
- MCON NSG 40 can be placed in thicknesses up to 50 mm in a single pour when used as an under plate grout.
- For thicker sections it is necessary to fill out MCON NSG 40 with well graded silt free aggregate to minimise the heat build - up.
- Typically a 10 mm down aggregate is suitable. 50 - 100% aggregate weight of MCON NSG 40 can be added.



Coverage :-
2000 Kg / M³



Packing :-
25 Kgs

Shelf Life :-

- 12 months in original packing if stored at room temperature i.e.25°C.

An ISO 9001 : 2015 - An ISO 14001 : 2015 - AN BS OHSAS 45001 : 2018

MCON RASAYAN PVT. LTD.

Trusted Partner In Construction Chemicals

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