



MCON RASAYAN PVT. LTD.

Trusted Partners In Construction Chemicals



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.





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Areas of Application :-

- ✓ MCON NSG 40 is used for machine foundation grouting
- ✓ Excellent as a grouting compound for base plate grouting of heavy duty machines, turbines etc.
- ✓ Also used for grouting/filling the Tie Rod holes/slots in the high quality concrete.
- ✓ Good for anchoring wide range of fixings.



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.



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Technical Information :-

Age in Days	Compressive Strength (N/mm ²) WP – 0.18
1	20
3	30
7	38
28	50

Tensile strength	2.8 N/mm ²
Time for Expansion	120 minutes
Fresh wet density	1800 kg/m ³

Method of Application :-

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.



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Mixing :-

For best results a mechanically powered grout mixer should be used.

When quantities up to 50kg 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 25kg bag to achieve the desired consistency is given below :

- o Pourable : 4.125 litres
- o Flowable : 4.500 litres

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

Grouting Application:

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 underplate 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.

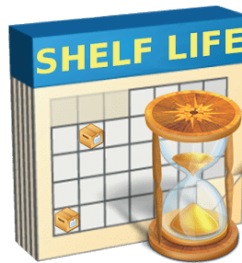


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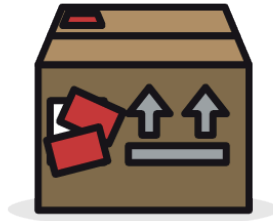
Shelf Life & Storage :-

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



Packing :-

25 kgs. bags



**(Mcon Rasayan has maintained the highest level of Quality and Consistency by following Systems is certified and as an ISO 9001 : 2015, ISO 14001:2015 & ISO 18001:2015 Company.)*

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