

PRODUCT DATA SHEET

NON SHRINK ELEMENTS -NSE 330

GROUT & MORTAR RANGE

PRODUCT DESCRIPTION

NSE 330 is a high quality non-shrinking grout. It is also a fine grained with good flow properties and high strength for mechanical processing. It is typically used by pouring between foundation and bolts of machineries, trusses, etc. This can also be used as a back filling in dowel holes, slits & machinery foundations, and rail bedding.

PRODUCT BENEFITS

- Easy and fast application & Excellent strength
- Shrinkage Compensated
- Flowable and self- leveling Noncombustible, Compatible with all building materials
- Eliminates the need to carry sand and cement
- High resistance against chemical aggression

PRODUCT USE

- Foundation
- Concrete back filling , Column Baseplates & any Machine Bases

- Industrial Rails

PRODUCT INFORMATION

APPLICABLE STANDARD

Accordance with *ASTM C 1107/C 1107 M -11* EN13813 CT-C30-F 3.0, DIN 4102, ASTM C1761

PRODUCT IDENTIFICATION

Consistency Granular Powder

Color Grey

Packaging 50kg bags

Shelf Life / Storage

12 months from date of production if stored properly in undamaged and unopened, original sealed packaging, in dry conditions. Protect from direct sunlight.

TECHNICAL DATA

| | |
|------------------|--|
| Contents | Special Cement, Lime Stone Selected Aggregates (up to 3 mm), Additives |
| Density | 1.56Kg/L |
| Mix Ratio | 0.13 Ltrs/kg |
| Pot Life | 1 hr. |

FINAL PERFORMANCE DATA

Compressive Strength 30 N/mm² @ 28 Days

Flexural Strength 3.0 N/mm² @ 28 Days

Bonding Substrate Approx. 1.5 N/mm²

Notes: all the typical data under laboratories condition, on site condition may vary depend on the condition.

APPLICATION INFORMATION

PREPARATIONS

Substrate:

The base concrete surface must be dust free to ensure that all traces of dust, loose contaminants such as oil and grease, and other loose particles are removed. The substrate has to be even and statically load bearing. Place orientation beats for pouring in a specified slope. The old concrete must be removed mechanically by washing down or using pneumatic hammer drill.

The exact extent of damage must be known prior to starting the repair work, since there are often hidden damages in addition to the visible damages.

Temperature:

Ideal application temp between 10°C-35°C, if more than 35°C use cool water to avoid earlier shrinkage cracks.

MIXING

Mix **NSE 330** with clean water to yield a stiff and easily workable compound with shrinkage compensating properties. The quantity of water depends on the desired consistency levels, we recommend the addition of 6-7 LT of water per 50 KG bag. The mixture should be stirred with a paddle mixer or trowel for at least 3 minutes, in order to prevent sedimentation of the aggregates.

APPLYING

NSE 330 can set very rapidly, thus place it very quickly and continuously using light rodding to avoid air bubbles. May be poured in place in foundations, anchoring holes, drilling holes, etc. where high structural support is required. It should be filled by placing the material in full depth, from one end to another to avoid part depth lifts between batches. Place the material in the hole by hand tamping or chopping with a shovel.

Wet cure the grout, since this will enable the grout to maintain its non-shrink characteristics and superior Strength .It should then be cured with water.

CONSUMPTION

Yield: 620 Ltrs

CURING

It must be cured with potable water for a minimum period 7 Days (3-4 times). Surfaces cracking may occur due to curing condition, to avoid over troweling, overwatering, control joint configuration.

SAFETY INFORMATION

Grouts Contains alkali, contact with skin or eyes should be avoided, for further instruction please see our Materials safety Data sheets.

SAFETY



STORAGE



USAGE



WATER



MIX



TOOLS



LEGAL NOTICE

All instruction and data of this technical data sheets are general information only and are based on our experience and performed tests. Under all circumstances there have to be implemented the relevant standard and general knowledge of construction /engineering .in case of specific question or requirements please contact our Technical Services /Sales Team. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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