

NSGROUT L

HIGH STRENGTH, NON SHRINK CEMENTITIOUS GROUT

NS GROUT L is designed for critical use where high strength, non-staining characteristics and positive expansion are required. It contains expansive cementitious binder and natural large aggregate. It is highly flowable in nature and can be easily placed, eliminating the need for compaction and vibration

PRIMARY APPLICATIONS

- Bedding grouting and void filling
- Columns, walls and beams
- Dams, retaining walls
- Large volume concrete repairs at thickness ranging from a minimum of 25 mm to a maximum of 150mm. Filling depend on the profile of concrete surface.

- Re-profiling pile-caps

FEATURES /BENEFITS

- High strength and durability
- Non-shrink providing full structural support
- Flowable and self leveling
- Appearance similar to concrete
- Does not contain any added chloride I ions
- Can be pumped or poured into the formwork
- Self-compacting in nature, which eliminates the need of compaction and vibration

PACKAGING / YIELD NS GROUT L is packaged in 25kgs bags and yields about 0.013rmof flowable grout when mixed with 3.25 liters of water.

SPECIFICATIONS I COMPLIANCES

- Shows positive expansion when tested the mortar in accordance with ASTM Specification C-1090, Standard Test Method for Measuring Changes in Height of Cylindrical Specimens from Hydraulic - Cement Grout, at a flowable consistency.
- Meets the performance requirements of ASTM C-1107

TECHNICAL INFORMATION Typical Engineering Data

The following results were developed under laboratory conditions at 70° F(21° C).

Flowable Consistency

3.25 liter / 25 kgs bag

Flow Rate: 120% Flow (flow table)

Compressive Strength

4" (100mm) cubes

Age Strength

1 day 34 MPa

3 days 44 MPa

7 days 56 MPa

28 days 63 MPa

Flexural Strength ASTM C-78

28 days 12 MPa

Tensile Strength ASTM C-496

28 days 5 MPa

Expansion

Tested in accordance with ASTM C-827 and positive expansion (upto 2%) observed

Setting Time ASTM C-191

Initial 3hrs 10 min Final 4hrs 45 min

Shelf life in original unopened package is 1 year.

APPEARANCE

NS GROUT L is a cement based powder incorporated with large aggregate designed to be mixed with water. After mixing and placing, the color may initially appear much darker than the surrounding concrete. While this color will lighten up substantially as the grout cures and dries out, the grout may always appear somewhat darker than the surrounding concrete.

DIRECTIONS FOR USE

The contractor and engineer are suggested to consult an review the CMCI "Application Instruction - Cementitious Grouting. The document offers instructions detailing the general installation of CMCI manufactured cement- based grout products.

The information given here is offered in particular support to the mixing and placing of NS GROUT L. This information should be used in conjunction with the Application Instructions guide mentioned above.

"High Quality Construction Chemicals"

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QUALITY STATEMENT

CMCI manufacture its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with Quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products. CMCI also offers full technical field support to consultants, Architects, Contractors, applicators and End Users

The Technical Specification information and recommendation given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product. CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.