

CEMGROUT - NS

NON - Shrink Foundation Grout - Cementitious

Conforms to BS4551; BS4550: Part 3; BS6319 : Part 4; and CRD-C621. ASTM C827 : 1978

DESCRIPTION

CEMGROUT - NS is a cementitious based ready - to - use non shrink, non metallic compound, specially blended of portland cement, highly graded silica sands, plasticizing aids and expanding agent. CEMGROUT - NS is non corrosive, non oxidizing and is free of chlorides and nitrates.

SPECIAL PROPERTIES

- Ready - to - use, only requires the addition of a predetermined amount of water
- Factory blended and packed to eliminate site variations and errors
- High compressive strength
- High early strength even at fluid consistency. Non- shrinking under restraint, free of bleeding and settlement
- Easy application in difficult access areas by pumping or pouring with flow consistency mix
- Excellent cohesiveness
- Long - term stability and durability
- Composition free of chlorides and metallic compounds
- Weatherproof

SITE WORK

Surface Preparation:

All substrate surfaces must be clean and sound, free of oil, grease, dust and cement laitance.

All surfaces must be prewetted in a moist condition, any free surface water must be removed before application of CEMGROUT - NS.

MIXING AND APPLICATION

For optimum mixing result - A high shear paddle or efficient mixer should be used. Fill the correct amount of clean water for the required consistency to the mixer and then add CEMGROUT - NS (GP-2) slowly while mixing. Mix for further 3-4 minutes until the mortar/grout is lump - free and homogeneous. Place the homogeneously mixed CEMGROUT - NS within 45 minutes to gain the full benefit of the expansion process.

CEMGROUT - NS may be placed in thicknesses up to 100 mm in single placement. For thicker section, the addition of clean and graded 6 mm aggregate is recommended one to one by weight to minimize temperature rise. The pouring or pressure grouting of CEMGROUT - NS should be from one side of the void to eliminate the entrapment of air continuous grout flow is essential.



MIXING AND APPLICATION

To produce CEMGROUT - NS of PLASTIC consistency

- Add 4.7 L water per 30 KG bag
- Yield approximately 0.0156 cubic meter per 30 KG Bag.

To produce CEMGROUT - NS of POURABLE consistency

- Add 5.30 L water per 30 KG bag
- Yield approximately 0.0162 cubic meter per 30 KG bag.

To produce CEMGROUT - NS of PUMPABLE consistency

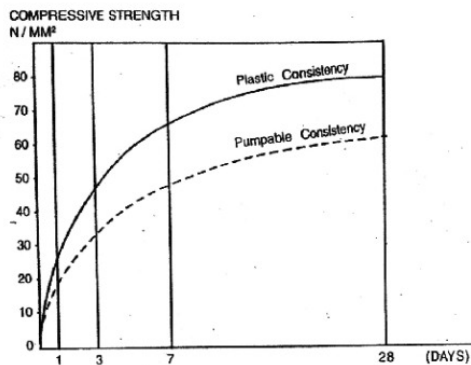
- Add 5.9 L water per 30 KG bag
- Yield approximately 0.0168 cubic meter per 30 KG bag.

CURING

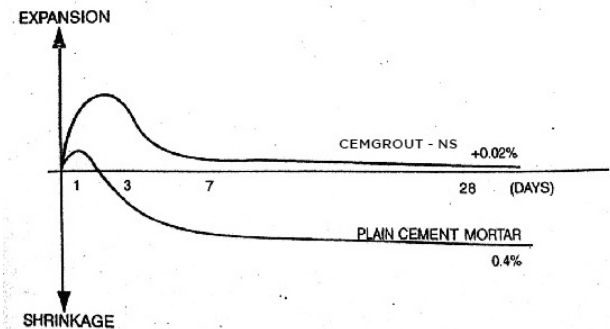
Immediately after the CEMGROUT - NS has achieved the initial set, it should be cured with CEMSEAL CEMCURE to all exposed surfaces.

PRODUCT DATA

- **Colour** : Grey
- **Consistency** : Powder
- **Packing** : 20, 30 & 40Kg.
- **Shelf life and storage** : 12 months if kept in dry condition and in the original sealed sack.



Compressive strength of CEMGROUT - NS in plastic and pumpable consistencies @ standard lab conditions.



Change of Volume - comparison between CEMGROUT - NS and plain cement mortar @ standard lab conditions.



...Building on over 200 years' experience

SAFETY PRECAUTIONS

- As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately.
- If accidentally ingested, seek immediate medical attention. Reseal containers after use

TECHNICAL INFORMATION & SERVICES

Further information and advice including practical demonstration are freely available from the technical service department of Cemseal Industries Ltd.

NOTE

- Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Cemseal representative.
- Cemseal reserves the right to have the true cause of any difficulty determined by accepted test methods.

Address

Plant 1 :C-1/B-96-97 G.I.D.C Industrial Estate, Kalol, Panchamahar, Gujarat - 389330

Plant 2 :Plot no 30, Marble Market Sejbahar, Rajpur, Chhattisgarh - 492015

Web : www.cemseal.net | **Contact no** : +91 90992 66166