

CEMAGROUT

NON SHRINK CEMENTATIOUS GROUT

DESCRIPTION:

CEMAGROUT is general purpose, non-shrink, and cementitious grout. It is a single component product and can be used by adding appropriate amount of water to it. It can serve dual purposes, where the viscosity of the material can be modified according to the requirement.

ADVANTAGES:

- ✓ High bonding strength to steel and concrete
- ✓ Does not crack
- ✓ Can be used upto 100mm at a time
- ✓ Ready to use, hence consistent controlled quality
- ✓ Non Metallic and Chloride free
- ✓ High early compressive strength
- ✓ Minimum downtime
- ✓ Extremely low permeability
- ✓ Excellent pumpability (does not segregate even at high flow)
- ✓ Meets ASTM C1107 for Grade C type grouts.

AREAS OF APPLICATION:

Ready to use grout when added with controlled quantity of water, can achieve a free flowing or a paste type of consistency for various uses in the construction industry. These include bedding in precast units in walls, roofs, slabs, anchor bolts, machinery foundation, turbines, generators, filling holes of scaffolding supports, framework ties etc.

SPECIFICATIONS:

Base	Polymer & Cement
Colour	Grey
Pot life @ 30°C.	20 Mins
Yield	
Pourable	14.5 Litres/25kg bag
Plastic	13.5 Litres/25kg bag
Compressive Strength	Pourable
3 days	15 N/mm ²
7 days	28 N/mm ²
28 days	>40 N/mm ²
Compliance	Meets ASTM C1107 for Grade C type grouts.

PREPARATION:

Surface should be clean of dust, loose particles, grease, oil and foreign deposits should be removed from all surfaces with which the grout will come in contact. The concrete foundation shall be roughened to the extent that it does not present a smooth surface, which would hinder the bond of the grout to the foundation. Concrete foundations less than 28 days old shall be kept wet for at least 12 hours, and older foundations for a minimum of 24 hours before placing grout. All free-standing water shall be removed from concrete surfaces prior to grouting. All items to be grouted into place shall be properly positioned and anchored prior to grouting except for anchor bolts and dowels, which may be placed into the fresh grout if job conditions permit and at the discretion of the engineer in charge. For grouting of base plates the formwork used to contain the grout shall be constructed in a workmanlike manner and caulked to prevent leakage of grout. Provisions shall be made at the high points for air to be vented as it is displaced by grout.

Mix using a heavy duty low-speed drill (300 - 450 rpm) and mixing paddle or in a grout mixer. The size of the mixer should be appropriate to the volume of grout required. Use a minimum amount of water consistent with placeability requirements. After all dry product has been added to the water, continue mixing for 3 minutes.

METHOD OF APPLICATION:

The prepared grout may be pumped or transported to the forms in buckets or wheelbarrows and deposited without delay. External vibration and agitation of the grout in the forms is permitted. Grout having been prepared but not placed within 1 hour after preparation shall be discarded. Prepared grout shall be agitated until use. Several hours after placement of grout (depending on ambient temperatures) forms may be removed and exposed grout shoulders may be trimmed or shaped to desired finish.

CURING:

Curing must commence immediately after placing and finishing. Protect freshly applied grout from direct sunlight, wind rain and frost.

CLEANING OF TOOLS:

Clean all tools and equipment immediately after use with water. Once hardened, material can only be removed manually or mechanically.

SAFETY PRECAUTIONS:

Protective gear such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately. Should the product be accidentally swallowed, do not encourage vomiting, but call for immediate medical assistance. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.

PACKING:

Available in 25 Kgs.

WARRANTY CLAUSE: *The product incorporated and sold is without Warranty expressed or implied, including warranty of Merchantability and fitness for use of this material and upon condition that purchaser shall make the own test to determine the suitability and quality of such products for their particular purpose. The user assumes all risks of use and handling, whether or not in accordance with any statement of the supplier. Supplier's liability if any, for any action arising out of the material being supplied shall be limited to only replacement of material.*

