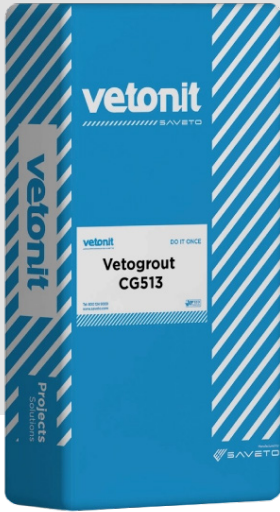


HIGH PRECISION GROUT



VetogROUT CG513

Free-flowing, non-shrink, cementitious cable grout (pre-bagged)

Uses

- Grouting anchor cables in suspended bridges.
- Grouting anchors in post-tensioning cases.
- Soil stabilization grouting & micro-grouting.
- Cavity infills under foundations and grade slabs.

Product Description

VetogROUT CG513 is a single component cementitious grout composed of blended cement, special additives, and fillers to enable fluid consistency and smooth, free flow of grout in demanding anchor post-tensioning applications.

Once mixed with the designated amount of water, the product will form a fluid grout that is either pourable or pumpable through small openings to long distances using Saveto recommended grout pumping equipment.

Advantages

- Free flow characteristics.
- Non-Shrink with high adhesion.
- Low coefficient of thermal expansion.
- Hydrogen and chloride free.
- It has a tropical formula that is suitable for MENA conditions.
- High ultimate & early strength.
- Suitable for grouting post-tensioned cables & anchors.
- Contains migratory corrosion inhibitors (to protect stressed steel cables and anchors).

Standards Compliance

- EN 447
- ASTM C938

Technical Data

VetogROUT CG513	Typical Values
Fresh Wet Density (kg/Liter)	2
Mixing Water	7.5 - 8.25 Liters 25 kg Bag
Compressive Strength (EN 445) (MPa) @ 7 Days @ 28 Days	> 38 > 50
Flexural Strength - ASTM C580 (MPa) @ 7 Days @ 28 Days	> 5 > 6
Fluidity (EN 455) (Seconds)	Immediately after Mixing: < 18 30 Minutes after Mixing: < 20
Volume Change @ 24 (Hours) (%)	2 - 3
VOC Content - ASTM D2369 (gm/Liter)	< 10 (LEED Compliant)
Bleeding (EN 445)	< 1 % (After 3 Hours)
Initial Setting Time (EN 196-3) (Hours)	4
Final Setting Time (EN 196-3) (Hours)	5

Usage Instructions

Surface Preparation

Clean the area/duct you wish to grout with water before applying VetogROUT CG513. Then, drain all free water.

Mixing

Measure & pour 7.5 - 8.75 liters of clean water into a suitably sized bucket, then slowly add the powder of one full 25 kg bag to the bucket while mixing using a slow speed mixer fitted with a suitable mixing paddle. Continue mixing for another 3 minutes until a uniform lump-free consistency is achieved.

Allow the grout to mature for 1 minute before pouring; for larger quantities, it is recommended to use a pan forced action mixer. Avoid using free-fall mixers.

Placing

Place VetogROUT CG513 by pouring it into the designated application area continuously (Do not allow air pockets to develop). This process should be done within a time window of 20 minutes (max) after mixing.

If you're using grout pumps to duct growth, it is recommended to place the hose as deep as possible into the duct, start pumping, and then slowly retract the hose, ensuring that pumped material is pushing the air out of the duct.

Cleaning

Remove VetogROUT CG513 from tools & equipment immediately after use with Vetonit Solvent XX400. Remove cured material mechanically.

Packaging & Coverage

Product	Pack Size	Yield
VetogROUT CG513	25 kg Bag	18.5 Liters(Approx.)

Stated consumption data are for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

Shelf Life & Storage

The original sealed bag of VetogROUT CG510 has a shelf life of 12 months, provided it is stored clear of ground, in a dry and shaded place.

Health & Safety

VetogROUT CG513 contains resins (which may cause sensitization via skin contact). Avoid contact with your skin and eyes and do not inhale vapor. Wear suitable protective clothing, gloves, and eye/face protection.

Barrier creams provide additional skin protection.

Should accidental skin contact occur, remove immediately with a resin-removing cream, followed by soap and water. Do not use solvents. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting. VetogROUT CG513 is non-flammable.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.

Saveto also provides various technical information such as CAD details, detailed method statements, specification clauses, application manuals, product selectors and technical support both in contractors and consultants offices as well as construction sites.

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