

MICROCEMENT INJECTION GROUT

CODE: D320

PRODUCT DATA

SHEET

EDITION: D2.05.2017

Description:

D320 DURABUILD MICROCEMENT INJECTION GROUT is a cementitious non-shrink high strength injection grout with excellent pumpable / injectable quality for application on vertical, horizontal and overhead surfaces/areas. It is a ready-to-use grout and only water is required to be mixed/added to produce high quality pumpable / injectable grout.

Uses:

D320 DURABUILD MICROCEMENT INJECTION GROUT helps to stabilize the structures by filling voids and consolidating the soil. It is extensively used in most critical and sensitive waterproofing areas by injecting through grout pump. Such application has become a regular pretreatment to the specialized waterproofing systems. It is an engineering grout based on latest technology in the world. It is also used for injection into cracks of structures. Anchor bolts could be grouted with D320 DURABUILD MICROCEMENT INJECTION GROUT with a high pull out strength. Request may be made for overhead anchor bolt grouting, so that same product with overhead application property is incorporated. It is much superior to cheap quality site-produced non-engineering cement-water slurries/grout. Such cheap site-produced grout suffers from drawbacks like high shrinkage, high leakage, extremely poor strength etc.

Features:

- High fluidity- Easily injectable/pumpable
- Engineering Modern Grout. No match to ordinary Cement-Water slurries/grout
- High strength
- Non-shrink
- Absolutely water-tight- no leakage of water – waterproofing
- Superb binding property of loose materials inside the structure- Sound consolidation
- Cementitious – Site friendly material
- Chloride free
- Anchor bolts in tunnel construction and ground/soil stabilization
- Crack injection

Application Method:

Mix D320 DURABUILD MICROCEMENT INJECTION GROUT with water in the proportion of water powder ratio between 0.22 and 0.32 i.e. water of 5.5 litres to 8 litres per 25 kg of D320 DURABUILD MICROCEMENT INJECTION GROUT. Powder grout should be put/poured into water while mixing is carried out. When entire powder grout is poured/put, full five minutes of mixing is required to attain homogeneity of the mix. To take full advantage of the fluidity, such mixed grout should be introduced into the structure within 20 to 30 minutes. If the grout is gelled and hard, it should be discarded and fresh fluid grout should be produced/used. Slow speed drilling machine (350 to 600 RPM) is suitable for mixing.



**GROUTS &
ANCHORS**

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Technical Data:

PARAMETERS	SPECIFICATION	TEST RESULTS
Physical Appearance		Grey coloured powder
Bulk Density		1600 kg/m ³
Chloride		Nil
Mixed Grout Density		1800-1900 kg/m ³
Water/powder ratio		0.22 to 0.32
Maximum Particle Size		0.40 mm
Volumetric Stabilisation		+1.2
Working life of fluid grout		Upto 30 minutes at 27 ± 3 °C
Typical Compressive Strength, kg/cm ²		
1 day		300
3 day		500
7 day		600
28 day		750
Typical Adhesive strength, kg/cm ²		
1 day		50
3 day		80
7 day		120
28 day		150
Shear Strength, kg/ cm ²		140



GROUTS & ANCHORS

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Packaging:

25 kg sack

Shelf Life:

12 months from the date of manufacturing when kept in cool, dry, unopened and undamaged original packing condition.

Health & Safety:

- Cementitious – Highly alkaline
- Skin Contact: Wash skin with soap & water. Remove contaminated clothes.
- On eye contact: Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a Physician.



Non-Inflammable



Non-Toxic



Eco-Friendly



Make in India



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GROUTS & ANCHORS



CEMENT ADDITIVE

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