

Congrout® Rokfix

CEMENTITIOUS CARTRIDGE FOR ROCK BOLTING

DESCRIPTION

Congrout Rokfix is a cementitious rock bolting grout packed in a water permeable membrane, forming a shrinkage compensated grout providing high early compressive strengths and fast setting times.

Congrout Rokfix is supplied in 2 grades very fast and normal setting [**Congrout Rokfix (S)**]. Setting times can be adjusted according to site requirements.

USES & ADVANTAGES

Congrout Rokfix is used for grouting rockbolts as reinforcement in tunneling and mining to protect overhead collapse.

Advantages include:-

- Laboratory tested pre-packed materials.
- Ready to use just add water.
- Non shrink, effective contact with rock.
- Good adhesion.
- Chloride Free.
- Minimizes grout loss from overhead holes or under conditions of running water.
- No grout wastage.

PROPERTIES

	Congrout Rokfix	Congrout Rokfix (S)
Appearance :	Grey powder	Grey powder
Pre soak time with water :	At least 1 minute	At least 1 minute
Yield :	Approx. 1 kg = 0.85-0.875 ltr	Approx. 1 kg = 0.65-0.675 ltr
Compressive Strength:	> 15 MPa at 3 hrs	> 22 MPa at 24 hrs
(at 30°C, Water/Powder ratio : 0.28)	> 50 MPa at 28 days	> 55 MPa at 28 days
Initial Setting Time :	≤ 5 min.	≥ 2 hrs.
Final Setting Time :	≤ 8 min.	≥ 3 hrs.

Using vicat apparatus.

The following table indicates the recommended resistance in tension loading for **Congrout Rokfix** using various sizes of rebar as per ASTM D4435

Rebar Size (mm)	Diameter of Drill Hole (mm)	Depth of Drill Hole (mm)	Recommended Resistance in Tension Loading (kN)
DB 12	45	300	28.1
DB 16	45	300	50.0
DB 20	45	300	78.1

Note: Properties are typical under laboratory conditions and **do not** constitute a specification. Field trials are recommended.

APPLICATION

- Drill hole to the required length and diameter using drilling machine.
- Remove / clean any dirt / objects from inside the hole.
- Remove **Congrout Rokfix** from pail and immerse in water at least 1 minute or up to the point where no signs of air release.
- Insert **Congrout Rokfix** one by one into the drilled hole by pushing it using a rod or any long instrument to push it to the bottom of the hole until hole is filled.

Note: *Congrout Rokfix sets rapidly, work fast without delay.*

PACKAGING

50 cartridges per box.

Packed in a water permeable membrane and protected by a polyethylene cover.

Cartridge nominal sizes : 35 mm. diameter with 300 mm length is standard. Other sizes available on request.

STORAGE & SHELF LIFE

Store in dry shaded conditions. The unused **Congrout Rokfix** to be kept under double line polyethylene cover to avoid exposure to atmosphere. The shelf life is 6 months from date of manufacture in unopened original packaging. High temperatures and humidity may reduce shelf life.

HEALTH & SAFETY

Congrout Rokfix is alkaline avoid contact with skin & eyes. Gloves, goggles and dust mask should be worn. If **Congrout Rokfix** gets into eyes, washed out with copious amounts of clean water and medical attention sought.

Congrout Rokfix is non-flammable.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2015 verified by TUV Nord.
ISO 14001 : 2015 verified by Lloyd's Register International.

CONTACT DETAILS

Cormix International Limited

89 Romklat Rd., Sansab, Minburi, Bangkok 10510

Tel. (66 2) 917 3955-8, 117 3369

<http://www.cormix.com>

E-mail: info@cormix.com

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