

A PREMIXED CEMENTITIOUS CABLE GROUT

DESCRIPTION

A ready to use high strength premixed flowing non shrink cable grout. Expansion/no shrinkage ensures good interfacial contact is maintained.

USES & ADVANTAGES

Use for the grouting of prestressed cable ducts, bearing plates, tunnel linings, rock & soil anchoring etc.

Advantages include:-

- Flows with low water cement ratio.
- Reduced bleeding.
- Ready to use.
- Non shrink.
- Good expansion.
- Good strength & adhesion.
- Prolonged workability.
- Both non hydrogen & hydrogen forming available.

PROPERTIES

Appearance: Grey powder

Density of Freshly: Approx 2 kg/l

Mixed Grout

Shrinkage: Nil

Chloride Content %: Nil

Typical Strengths:

	Flexural Strength	Compressive Strength
24 hours	2 N/mm ²	≥23 N/mm ²
3 days	4 N/mm ²	≥40 N/mm ²
7 days	5 N/mm ²	≥45 N/mm ²
28 days	6 N/mm ²	≥60+ N/mm ²

Flow: Flowing at water cement ratio of 0.35-0.40 J-rope <3 seconds over 2 hours ASTM marsh cone 18 seconds over 2 hours at 0.4 w/c.

Flow is effected by temperature and water contents.

Expansion: According to ASTM C-827 an unrestrained expansion of 1-4% is typical. Expansion is effected by temperature and water contents.

Note : In the non hydrogen forming material expansion is negligible.

Bleeding: Typically Less than 2% at 3 hours and reabsorption within 24 hours according to ASTM C243-85.

Workability: 90-120 minutes depending on temperture & W/C.

Retention

Curing: Cure cubes in plastic bags not water.

Shrinkage: None

STANDARDS

Complies with ASTM C827, 953 C243-85, C109, C181-82, C150, JIS A1108.

SURFACE PREPARATION

Surfaces should be clean, sound and free from oil, grease, laitance and loose particles. Metal surfaces should also be clean & free from rust, oil & grease.

MIXING & APPLICATION

Mixing times and w/c vary according to the application. With standard mechanical mixing for prestressed concrete work, a mixing time of 4 minutes with a w/c of 0.35-0.40 gives the best results. The best mixing sequence is normally water : **Congrout AF**. Ensure the substrate is correctly prepared. During application ensure trapped air and air entrained into the grout is able to escape through relief holes. Maintain continuous head when grouting. Mortar flow should not be interrupted.

IMPORTANT NOTES

Congrout AF is generally used in the highly specialised work of grouting and prestressing. Properties of **Congrout AF** may be influenced by mixing procedure, adding of water and temperatures. Therefore tests on site should be undertaken.

CLEANING

Clean all tools with water immediately after use.

PACKAGING

20 kg. 3 ply plastic lined bags.

STORAGE CONDITIONS & SHELF LIFE

Store in dry shaded conditions. The shelf life is 6-9 months if kept dry in original packaging. High temperatures and humidity may reduce shelf life.

HEALTH & SAFETY

Congrout AF is alkaline avoid contact with skin & eyes. Gloves, goggles and dust mask should be worn. Skin should be washed with water to remove & splashes in the eyes washed out with copious amounts of clean water and medical attention sought. **Congrout AF** 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 : 2008 verified by TUV Nord.

CONTACT DETAILS

Cormix International Limited

Regional Office,

89 Romklao Rd., Sansab, Minburi, Bangkok 10510

Tel. (66 2) 917 3955-8, 543 8890

Fax. (66 2) 917 3959, 543 8891

<http://www.cormix.com> E-mail : info@cormix.com

Rev. 009 : May 2010

NOTE : Every reasonable precaution is taken in the manufacture of all CORMIX-products to ensure that they comply with CORMIX's high standard of quality. The recommendations and properties of the product are based upon what is believed to be the most reliable information available, and are not intended as recommendations which infringe on other patents. Although all CORMIX-products are subject to rigid quality tests, no specific guarantee can be given, because results depend, not only on quality, but also on other factors beyond our control. We welcome therefore consultation in the event of doubt concerning application, or performance, and point out that oral recommendations, which vary from the instructions contained herein, are not binding without written confirmation by CORMIX. All transactions shall be subject to our terms and conditions of sale-delivery-and-service. This data sheet supersedes the previous one and a reprint may be issued without notice to supersede this edition, as and when deemed necessary. The information given in this leaflet is to the best of our knowledge true and reliable. Field service where provided does not constitute supervisory responsibility. Our guarantee is therefore limited to the quality of materials delivered.