

# Congrout® A (Formerly Cormix A)

## PLASTICISING GROUT INJECTION AID

### DESCRIPTION

A ready to use grout injection aid in powder form. A multi component non chloride containing admixture which allows for the reduction in water cement ratio with corresponding strength increases. Expansion 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:-

- Reduces mix water.
- Retards setting, prolongs workability.
- Provides fluid phase expansion.
- Reduces bleeding and segregation.
- Good strength and adhesion.
- Improved cohesion.
- Improved fluidity.
- Protects against corrosion of prestressing wires.

### PROPERTIES

<b>Appearance:</b>	Beige/Light Brown powder
<b>Apparent Density:</b>	0.9 - 1.0 kg/ltr
<b>Chloride Content:</b>	Nil
<b>Cement Compatibility:</b>	Compatible with all types of Portland cement
<b>Expansion Time:</b>	15 - 120 minutes
<b>Expansion:</b>	According to ASTM C-827 an unrestrained expansion of 1-4% is typical depending on temperatures, dosage & mix.
<b>Strength:</b>	Restrained grouts up to 15% increase due to lower water cement ratio. Complies with CP110 Part 1: 1972 Section 6.12

### METHOD OF USE / 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 A** / cement.

### IMPORTANT NOTES

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

**Congrout A** should not be used with cement containing fly ash.

### DOSAGE

Dose at 1.0 - 2.0% by weight of cement.

### PACKAGING

0.5 kg. packs or 15 kg. bags.

### STORAGE & SHELF LIFE

Store in dry shaded conditions. The shelf life is at least 12 months if kept dry in original packaging. High temperatures and humidity may reduce shelf life.

### HEALTH & SAFETY

Wear gloves when mixing. Splashes on skin or eyes should be washed off with clean water.

**Congrout A** 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.

### DISCLAIMER

Performance data is achieved testing in accordance with International Standards. Testing by others may result in different results from those published as a result of external factors such as poor sampling, incorrect mixing, varying temperatures, curing, crushing procedures etc.

Cormix does not take responsibility nor need to defend others testing that does not achieve the published data.

The user must test the products suitability for the intended application and purpose. Cormix reserves the right to change the properties of the product.

Site conditions and differences in materials are such that no warranty or fitness for a particular purpose, nor liability can be inferred from the published data sheet, written recommendations or from other advise offered.

### CONTACT DETAILS

#### Cormix International Limited

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](mailto:info@cormix.com)

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