

## 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 specialised 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.

### DOSAGES

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 : 2008 verified by TUV Nord

### CONTACT DETAILS

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