

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

Appearance:	Beige/Light Brown powder
Apparent Density:	0.9 - 1.0 kg/ltr
Chloride Content:	Nil
Cement Compatibility:	Compatible with all types of Portland cement
Expansion Time:	15 - 120 minutes
Expansion:	According to ASTM C-827 an unrestrained expansion of 1-4% is typical depending on temperatures, dosage & mix.
Strength:	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 : 2008 verified by TUV Nord.

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