



GROUT ADMIX-IN

PLASTICISED EXPANDING ADMIXTURE FOR CEMENT SLURRY AND GROUT

DESCRIPTION

Grout Admix-IN a powder additive imparts shrinkage compensation, high flowability and pumpability to the mix on mixing with cementitious system. It produces controlled expansion and minimised water demand.

PRIMARY APPLICATIONS

- Cavity filling
- Filling gaps between precast elements
- Repairing honeycombs by pressure grouting
- Site batched repair/reprofiling mortars
- Filling up the plumbing and electric chases

FEATURES/BENEFITS

- **Based on hydrogen gaseous expansion system-** Compensates shrinkage in plastic stage
- **Plasticising action-** Reduces water demand, improves strength and pumpability
- Easy to use packing- no mistakes on site
- **Only make what is required-** Most economical to use
- **Robust-** Compatible with wide range of chemical and mineral admixtures and rapid hardening portland cement and most types of portland cement.

TECHNICAL INFORMATION

Material properties tested under laboratory conditions @ 27°C, 50% RH.

PROPERTIES	VALUE
Aspect	Free Flowing Powder
Chloride ion content	<0.2%
Color	Brown/Grey
Dosage	250 gm / 50 kg of cement
Volume expansion	up to 4%(Neat cement Grout)

SPECIFICATIONS/COMPLIANCES

ASTM C827

PACKAGING

Grout Admix-IN is available in 250gm sachet and 5kg bag.

SHELF LIFE

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

DIRECTIONS FOR USE

Properties of mix as suggested in **directions for use**

Compatitbiltiy with Cements

Grout Admix-IN is compatible with most types of portland cements including Rapid Hardening portland cement. During the winter months when temperatures may fall to below 10°C, it is recommended that rapid hardening portland cement should be used in grouts.

Recommended grout specifications for grouting concrete members.

NEAT CEMENT GROUT**	
Ordinary portland cement	50kg
Grout Admix-IN	250gms
Water	Not more than 25 litres

** Best determined by site trials. As a guide suggested Waterproofing is 0.39 to 0.45.

CEMENT SAND GROUT	
Ordinary portland cement	50kg
Sharp graded sand (passing 1.18mm mesh sieve)	50 kg
GROUT ADMIX-IN	250gms
Water	Not more than 25 litres

Surface Preparation: Clean all the areas to be grouted and free the surface of oil, grease, dirt and contaminants.

Remove all loose materials from the surface. Where required, provide air-relief openings to avoid entrapment of air. All metal components to be in contact with grout must be free of rust, paint or oils. All metal components to be in contact with grout must be thoroughly saturated with clean water for a minimum of 12 hours before placement of grout. Remove excess water from holes and voids just before grout placement.

Mixing: Add 80% of water approximately in the mixer along with the portland cement. Mix the ingredients thoroughly until the cement has been completely dispersed. Then add Grout Admix-IN and sand (if any being used), and continue to mix for a additional 2 minutes or until complete dispersion of the Grout Admix-IN is achieved. Add the required quantity of water from the remaining 20% until the desired consistency is achieved.

Placing:

Bed Grouting: Placing should be without interruptions until completion. Place the mixed grout into the pouring hopper of the formwork within 15 minutes after mixing. Place from one side only.

PRECAUTIONS & LIMITATIONS

- Test mixes may be required due to variations in local materials and conditions.
- Add to mix independent of other admixtures
- In all cases, refer the safety data sheet before use