

Asian

Laboratories

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PRODUCT INFORMATION

GROUT-AID



READY TO USE EPOXY MORTAR KIT

INTRODUCTION :

Grout-aid is a rapid thermosetting modified resin mortar. It endows a unique method of grouting of bolts in concrete and rock which hardens in 24 hours. The system offers the facility to bond to the tensile limit to the fixing element by matching bonded length to ultimate bolt strength. It is a boon for time bound projects involving mass erection and grouting of machines, rail or crane tracks, precast concrete members, structural steel columns and electrical switchgear.

PROPERTIES :

GROUT-AID has a very high mechanical strength and behaves excellent under dynamic loading. It has overcome most of the limitations of usual cement concrete grouting.

- ★ Quick setting and requires no water curing.
- ★ Low creep and shrinkage.
- ★ Excellent dimensional stability.
- ★ Good vibration damping characteristic.
- ★ Good electrical insulation.
- ★ Good adhesion to concrete, stone and metal.
- ★ High mechanical strength in comparison to concrete.

PHYSICAL PROPERTIES :

	Steel	Concrete	GROUT-AID
Compressive strength, kg/cm ²	2600	300-500	900-1200
Tensile strength, kg/cm ²	2400	40-60	150-250
Flexural strength, kg/cm ²	3600	50-80	250-400
Modulus of elasticity, kg/cm ²	2×10^6	2×10^5	2.3×10^5
Elongation at break, per cent	20%	0.02%	0.10%

PACK SIZE :

GROUT-AID is supplied in kit of three packs containing two packs of resins and one pack of activated filler. GROUT-AID is available in 30 kg kits.

MIXING RATIO :

Parts by weight A: B: C = 1: 0.5: 6.

POT LIFE :

30°C	30 minutes.
20°C	1 hour.
10°C	2½ hours.
5°C	3½ hours.

VISCOSITY :

GROUT AID Component A+B+C=Self—levelling material.

SHELF LIFE :

One year in original containers at temp. from 0° to +25°C.

INSTRUCTION FOR APPLICATION OF GROUT-AID EPOXY MORTAR FOR GROUTING FOUNDATION BOLTS ETC.

1. GROUT-AID is a three component system consisting of component A & B of resins and component C of activated filler.
2. The surface, as well as the bolts shall be made free from dust, oil, grease or any other material. All the surface shall be perfectly dry. Concrete surface of foundation and pocket must be abraded and cleaned with a vacuum cleaner or air blower. In case of lubricants and oil saturated concrete, chemical etching or mechanical abrading is necessary. Before grouting the surface coming in contact with the grout should not be acidic. In case of metallic surfaces, cleaning by suitable means is necessary. Sand blasting, if possible, gives an excellent bonding surface.
3. The component A and component B indicated above shall be mixed thoroughly in 1:0.6 (by weight) ratio and shall be applied with brush on the surface to be grouted.

4. GROUT AID three component system, Component A, B & C shall be mixed in 1: 0.5: 6 (by weight) ratio uniformly and then to be poured into the pocket/place to be grouted. The material shall be pushed/pressed properly so that there should be no air-gap and a compact mass is obtained. GROUT-AID is a self-leveling epoxy ready-to-use mortar.

5. The grouting mixture cures within 24 hours at ambient temperature. But, it is better to allow 7 days for curing if possible.

6. Application should preferably be done by an experienced personal.

7. A piece of plastic pipe or a large orifice funnel facilitates the mix to pour into places not easily accessible.

8. GROUT-AID component C loading may be slightly varied to achieve desired consistency to suit the form and the size of the pocket.

9. Keep the grouted bolt undisturbed for at least 24 hours.

TYPICAL USES

- ★ Foundation grouting of heavy generators, heavy compressors, drop forging hammers, power presses,

ball mills, pulverisers, crushers and general workshop machines etc.

- ★ Making preformed plinths for machine foundations, bridge bearing pads, rail levelling pads etc.

- ★ Grouting of horizontal/vertical and overhead rail tracks, gantry crane tracks, rock bolts, anchor blocks, structural steel columns etc.

- ★ Grouting of electrical switchgear and distribution towers. Most suitable when ground insulation is required.

- ★ Bedding kerbstones, traffic bollards, lighting columns, precast concrete members.

OUR RANGE OF PRODUCTS :

Concrete & mortar admixtures including Super Plasticizers, Accelerators, Retarder, Air-entraining Agents, Sealing & Water-proofing Compounds, Non-shrinking Grouting Agents, Chemical grouts, Bonding Agents, Finishing Products, Mould Coating & Release Agents, Surface Retarders, Concrete Hardners, & Dust-proofers, and several others.

PRICE, PERIOD OF DELIVERY AND TERMS OF BUSINESS ON REQUEST.

N. B. — This information is given in good faith, is based on results gained from experiences and tests. However, all recommendations or suggestion are made without guarantee since the conditions of use are beyond our control.

MANUFACTURED BY

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