



DESCRIPTION

Secure Bond - Engineering Grout is a blend of Portland cement, graded fillers and chemical additives which impart controlled expansion in the plastic state at low water cement ratio. The low water demand ensures high early strength. The graded fillers are designed to assist uniform mixing and produce a consistent grout.

Secure Bond - Engineering Grout is used for precision grouting where it is essential to withstand static and dynamic loads. Typical applications would be the grouting of base plates of turbines, compressors, boiler feed pumps etc., It can also be used for anchoring a wide range of fixings. These include masts, anchor bolts and fence posts.

ADVANTAGES

- Gaseous expansion system compensates for shrinkage and settlement in the plastic state
- No metallic iron content to cause staining
- Pre-packed material overcomes onsite batching variations. Develops high early strength without the use of chlorides. High ultimate strength ensure the durability of the hardened grout
- Free flow ensures high level of contact with load bearing area.

INSTRUCTIONS FOR USE

Surface Preparation

The substrate surface must be free from oil, grease or any loosely adherent material. If the concrete surface is defective or has laitance, it must be cut back to a sound base. Bolt holes and fixing pockets must be blown clean of any dirt or debris.

Mixing

Mix manually or mechanically a 25 Kg bag of Engineering grout with 4 to 4.5 ltrs. of clean cool water until a homogenous paste is obtained. Let the mix rest for a few minutes. For best results a mechanically powered grout mixer to be used. When quantities below 50 kg are used, a heavy duty slow speed drill (400-450 rpm) fitted with a paddle is suitable.

SECURE BOND ENGINEERING GROUT

Pre Soaking

Several hours prior to placing, the concrete substrates should be saturated with fresh water. Immediately before grouting takes place any free water should be removed with particular care being taken to blow out all bolt holes and pockets.

APPLICATION

For best results place the grout within 20 minutes of mixing to gain full benefit of the expansion process. Larger quantities will require a heavy duty mixer For large pours the grout may be hand placed or pumped into a removable hopper. Pouring should be from one side of the void to eliminate any air or pre-soaked water becoming trapped under the base plate. It is advisable to pour the grout across the shortest distance of travel. The grout head must be maintained at all times so that a continuous grout front is achieved. Where large volumes have to be placed Secure Bond - Engineering Grout may be pumped. A heavy duty diaphragm pump is recommended for this purpose. Screw feed and piston pumps may also be suitable. On completion of the grouting operation, exposed areas should be thoroughly cured. This should be done by the use of continuous application of water and/or wet hessian.

UNLOADING & STORAGE

Do not use hook for unloading or shifting of bags. Material shall be unloaded on uniform level surface platform above ground level with proper stacking in countable manner. It shall be stored in covered dry place. Keep the bags in original sealed form & used the open bags immediately. In case of rainy season it shall be covered by tarpaulin/polythene sheet to protect the bags from dampness/humidity from the atmosphere.

SHELF LIFE

It has a shelf life of 6 months from the date of manufacturing, if properly stored in its original bags as per the storage conditions specified.

PACKING

25 Kgs bag or pack size of client's choice for bulk orders.

HEALTH & SAFETY PROCEDURES

Secure Bond - Engineering Grout is non-toxic & non-flammable. Avoid inhalation of dust during mixing. Wear safety glasses, dust mask & gloves. In case of eye contact, rinse immediately with plenty of clean water.

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