

**TECHNICAL DATA SHEET**

**SOLID CURE**

*Non Shrink Cementitious Grout*

**PRODUCT DESCRIPTION**

**SOLID CURE** is a non-shrink, cement-based, high strength developing grout which is specially formulated for use in critical grouting operations where positive expansion and non-staining characteristics are required.

**SOLID CURE** is an economical and easy to use material requiring the addition of water to produce a free flowing non-shrink grout.

**CUSTOMER BENEFITS**

- Ease of applications
- Positive expansion to ensure effective contact and support
- Minimal downtime
- Elimination of site batching errors
- High early strength and low permeability
- Elimination of staining or deterioration
- Chloride-free permitting use in contact with reinforced steel

**AREAS OF APPLICATION**

- To provide heavy duty support beneath load bearing units
- Grouting of precast wall panels
- Anchor bolt fixing
- Bedding bearing plates
- Concrete repairs and pressure grouting

**PROPERTIES**

Typical results at a flowable consistency (0.18 water/powder ratio):

<b>Compressive Strength</b>	3500 psi @ 1 day
<b>ASTM C109 / C109M - 13</b>	7500 psi @ 7 days
	9200 psi @ 28 days

**APPLICATION**

**Surface Preparation**

All surfaces must be clean and sound and free from all surface laitance, oil and grease. Acid etching or grinding may be used to remove cement laitance.

Wet surfaces (no pounding) before application. Allow water drainage in the under plate grout form work.

**Formwork**

The formwork should be constructed to be leak-proof. This can be achieved by using foam rubber strip or mastic sealant beneath the constructed formwork and between joints.

**Mixing**

A mechanically powered grout mixer should be used for best results.

Measure the required amount of water accurately and add into the mixer. **SOLID CURE** should be slowly added and continuous mixing should take place for 5 minutes or until the right consistency is achieved. Exact and consistent mixing duration is recommended for each operation to obtain consistent results.

Please note that the amount of water must be accurately measured. Excessive water may render lower performance of the non-shrink grout.

**Placing**

Make sure that the necessary formwork is firmly placed and watertight.

Pour grout within 20 minutes after mixing to gain full benefit of the expansion process. During the pouring process, ensure that a good hydrostatic head is maintained to keep the flow of the grout continuous and entrapped air displaced by the grout is allowed to escape.

**SOLID CURE** may be placed in thickness up to 100mm in one pour.

For thicker sections more than 100mm, it is necessary to use well-graded aggregates typically a 10mm size to minimize heat buildup. Quantities of aggregate added to the mix should not exceed one part aggregate to one part **SOLID CURE** by weight.

**CURING**

On completion of the grouting operation, exposed areas should be thoroughly cured by means of water application or **CONFIXCURE PME15** curing membrane.

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**ESTIMATING DATA**

A 25 kg bag of **SOLID CURE** when mixed to a flowable and trowellable consistency will yield the following volumes:

Flowable @ 4.0 to 4.5 liters water	13.5 liters of grout
Trowellable @ 3.3 to 3.5 liters water	12.20 liters of grout

**PACKAGING**

**SOLID CURE** is available in 5kg and 25 kg PE bag.

**STORAGE**

**SOLID CURE** has a shelf life of 1 year if kept in a dry place in sealed bags. If stored in high temperature and high humidity, the shelf life may be reduced.

**HEALTH AND SAFETY**

**SOLID CURE** is not hazardous, but it is alkaline in nature. Protective clothing, dust mask and glove should be worn during the grouting process.

**FIRE**

**SOLID CURE** is non-flammable.