



S.C.B. Products

SCB GROUT

NON-SHRINK CEMENT GROUT

DESCRIPTION :

SCB GROUT is a cement based, non-shrink, non-metallic grout for all general purpose grouting requirements.

- * Structural columns
- * Anchor bolts and bars
- * Machine baseplates
- * Bridge bearings
- * Underpinning
- * Patch repair works

FEATURES :

- * Non-shrink
- * Dual expansion
- * Ready to use
- * Chloride free
- * Wide range of applications

WATER ADDITION :

SCB GROUT can be mixed to a Fluid & Flowable or Trowellable consistency. The quantity of water required for a 25 kg bag is approximately as shown below.

- | | |
|---------------|---------|
| - Fluid | - 4.9 L |
| - Flowable | - 4.3 L |
| - Trowellable | - 3.9 L |

water addition may be affected by temperature conditions on site. Trials are recommended to determine the correct water requirement.

MIXING :

SCB GROUT should be mixed using a suitable mixer. For Flowable consistency use a hand drill for small works up to two bags at a time and specialist grout mixers for larger volumes. Drum type mixers may not provide sufficient mixing efficiency to derive the optimum performance from the grout. The correct volume of water should be added to the mixer followed by the powder. Mixing should continue until the grout has a smooth, lump free appearance. This will normally be between 3 - 5 minutes after mixing has started.

APPLICATION :

For best results **SCB GROUT** should be used within 30 minutes of the completion of mixing. The substrate should be free from contamination laitance and loose material. Thoroughly saturate the substrate with water at least 24 hours prior to pouring the grout. All free water ponding should be blown out of the void just before pouring the grout. As for all cementitious materials curing is essential to prevent rapid drying out of the grout and shrinkage caused by the water loss. Curing should be effected by accepted methods such as curing compounds, polyethylene sheet, water ponding. If a shaped shoulder is required it should be formed before the grout has reached its final set. Carefully remove the formwork once the **SCB GROUT** is self-supporting and cut the shape of the shoulder with a trowel. Preferably the shoulder should be cut to a 45° angle to minimise stresses.

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CLEANING :

Clean tools and equipment with water before **SCB GROUT** has hardened, otherwise mechanical cleaning will be required.

CONSUMPTION :

A 25 kg bag of **SCB GROUT** when mixed to a flowable consistency will yield the following volumes.
 Flowable @ 4.3 L water = 14 L of grout or 70 bags per cu.m.

SHELF LIFE :

SCB GROUT has a shelf life of 12 months if stored in a dry, cool place in unopened bags.

PACKAGING :

25 kgs in moisture resistance bags.

TECHNICAL SPECIFICATION

PHYSICAL PROPERTY	FLOWABLE	TROWELLABLE
Water addition	17%	15.5%
Flow % (ASTM C827)	131	106
EXPANSION % Volumn ASTM C940 (Modified)	1%	1.2%
COMPRESSIVE STRENGTH (ASTM C109)	Mpa (ksc)	Mpa (ksc)
1 day	20.60 (200)	24.50 (248)
3 day	38.80 (394)	41.50 (421)
7 day	50.80 (516)	53.50 (543)
28 day	65.50 (665)	65.10 (661)
Yield (litres per 25 kg bag)	14	12.5

* Flowable **SCB GROUT** would be of equivalent consistency to a fluid Hydraulic Portland Cement Grout.