

MULTIGROUT CEM 60

Flowable, High Early Strength Grout

Description

MULTIGROUT CEM 60 is a pre-mixed dry grout blended with High Alumina Cement, shrinkage compensating chemicals and proprietary fillers. It is grey in colour, is non-oxidizing and has no added chlorides or nitrates. Used for grouting of holding down bolts, machine base plates, sole plates and where precision bearing is required.

Typical Applications

Recommended for used in the grouting of:

- * Grouting in of machinery and equipment where high early strength is required where maximum bearing of the elements is required
- * Grout in or onto precast elements
- * Grouting of holding down bolts, crane rails, stanchions, anchor bolts, bridge bearings, column bases, etc.

Advantages

- * Ease of application
- * High early strengths
- * Non-shrink at flowable consistency
- * Repairs to all types of concrete
- * High impermeability
- * Non-toxic
- * Pumpable

Strength Development

The strength of MULTIGROUT CEM 60 is dependent on the water demands, curing procedure and age of hardened grout. To determine the earliest that equipment or machinery can be put into operation, the above must be considered. Protect from freezing until cured for 28 days.

Typical Properties

Strength development is dependent upon the water / cement grout ratio, temperature and site conditions:

Typical Compressive Strengths MPa

1 hour	24 hours	7 days	28days
15.0	30.0	35.0	40.0

The data is based on controlled laboratory tests as per our Quality Assurance procedures. Variations can be expected under prevailing site conditions.

Setting Time

Temperature affects the setting time of MULTI GROUT CEM 60; initial set is ± 15 minutes and final set ± 1 hour. This allows sufficient time for mixing, placing and finishing.

Directions for Use

Surface Preparation

- * The concrete surfaces must be clean, sound and free of all types of contamination, viz. dust, grease, oil, curing, etc.
- * Minimum depth of grout to be 15mm and the maximum thickness must not be exceed 35mm
- * Grout surface to be pre-saturates with clean water prior to grouting.
- * Excess surface water must be removed before grouting commences.

Mixing

- * Only mix the grout once all the preparation work has been completed
- * Mix for 4 minutes and place as quickly as possible
- * Mix thoroughly to a lump free consistency
- * Do not re-temper
- * 15-20 minutes working time after mixing

Cast Grout

- * Place grout from one side of formwork to ensure that all air voids are displaced
- * Pouring of grout through a hole in the base plate is also desirable provided breather holes are drilled into the plate
- * Strap or rod placed grout to ensure voids are not trapped under the base plate/bolt holes
- * Clean equipment with water

Water Additions

Add water as specified. Excess water will reduce strength and cause segregation.

Yield

MULTI GROUT CEM 60 is packed in 25kg bags and mixed with 4,2 to 4,5 litres of water yielding ± 11 litre per bag.

Packaging

Supplied in 25kg double lined moisture resistant bags

Quality Assurance

MCC LIMPOPO's production and testing programmes comply with all local and international testing standards.

Updates:

This data sheet supersedes all previous issues prior to this date: 31/05/97.