

KWA – ZULU NATAL

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## MULTI GROUT CEM 60

### Fast Set, High Strength, Non-shrink Grout

#### Description

MULTIGROUT CEM 60 is a premixed ready to use dry grout with a precise blend of graded silicates and gravel aggregates. Controlled chemicals incorporating shrinkage compensating ingredients blended with high alumina cements produce a fast set, non-shrink grout. It is grey/brown coloured, non-oxidizing and has no added chlorides or nitrates.

#### Typical Applications

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

#### Advantages

- High Early Strength - complies to ASTM C 109-80 specification Facilitates rapid installation and early operation of machinery.
- Non-Shrink - meets CRD-C 621 specification. A non-shrink grout that hardens, free of bleeding, settlement or drying, shrinkage and maintaining tight contact with the underside of grouted elements.
- Iron Free - a non-metallic aggregate grout used where an appearance similar to concrete or mortar is required.
- Durability - a dense and ultimate high strength grout which contains no gas generating or air release agents such as aluminum powder, fluid coke, etc. It is durable and withstands repetitive loading requirements.

#### Typical Properties

Initial Set	20 min @ 20°C
Final Set	60 min @ 20°C
Application Temp	15°C to 25 °C
Thickness	10mm to 35mm
Pot Life	10-15 minutes
Water Use	4.5Lt per 25Kg
Yield	11 litres per 25Kg
Compressive Strength	
1 Hour	15MPa
4 Hours	24MPa
1 Day	30 MPa
7 Days	35 MPa
28 Days	40 MPa

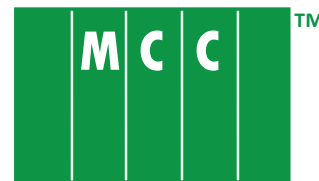
#### Watch Points

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

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CHEMICALS**

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## MULTI GROUT CEM 60

### Directions for Use

#### Surface Preparation:

All equipment to be grouted must be free of grease, oil and dirt and the concrete surface must be scabbled, cleaned.

#### Priming:

Wet down surfaces prior to application. Keep damp during application.

#### Application:

Do not mix more grout than can be used in 15 minutes. Once the grout has stiffened, do not re-temper by adding water. Temperature of both the grout and all elements coming into contact with the grout should be in the range of 15-25C. Do not grout in freezing conditions. Mix 25Kg MULTI GROUT CEM 60 with 4.2 – 4.5 litres water. Place mixed grout into the damp areas while the area is still damp. Agitate the grout to settle and smooth with a steel trowel. Always place grout from one side only, do not pour grout from both sides as this will result in entrapment of air-creating a gap (air pocket) between the underside of bedplate and grout. Allow to set for 1-2 hours (depending on temperature of the environment) before opening to light traffic.

#### Curing:

All exposed areas of grout must be treated With MULTICURE 300 C or MULTICURE 200 curing compounds or kept wetted out for at least 10 days.

### Equipment Care

All tools should be cleaned with water immediately after use. If delayed, equipment will need mechanical action to clean or be discarded.

### Packing

Supplied in 25Kg Bags

### Quality Assurance

Multi Construction Chemicals South Africa (PTY) Ltd production and testing programs comply with all local and international testing standards.

REVISION: 3.1