# Masonry Cement Composites (Pty) Ltd

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## Grout Bulking25Kg



**SKU:** MWMG815N

**TECHNICAL DATASHEET**

### GROUT BULKING
High Strength, Non-shrink Bulking Grout

GROUT BULKING is a premixed ready to use dry grout with a precise blend of graded silicates and pea gravel aggregates. Controlled chemicals incorporating shrinkage compensating ingredients blended with Portland Cements produce a non-shrink grout. It is grey coloured, non-oxidizing and has no added chlorides or nitrates. Meets requirements of CRD-C 621, ASTM C827, ASTM C 10980 and CRD 611-80 specifications.

### TYPICAL APPLICATION
In all applications where excessive grout bulking is a criteria and a natural aggregate non-shrink grout is specified. For bulk grouting and grouting thickness in excess of 100mm. Reduces heat of hydration in high volume grout pours and

excessively large bolt hole pockets. Precision support under load bearing elements such as machine base plates, crane and transporter rails, stanchions and column bases, anchor bolts, precast units, bridge bearings and for repairing of honeycomb in concrete…

**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

**WATCH POINTS**

The strength of GROUT BULKING 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.

**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:
Prime with POXY 1305 wet-to-dry epoxy.

Application:
Do not mix more grout than can be used in 30 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 GROUT BULKING with 3.2 – 3.5 litres water. Place mixed grout into the primer while the primer is still wet or tacky. Agitate the grout to settle and smooth with a steel trowel. Always place grout from one side only, do not place 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 8-12 hours (depending on temperature of the environment) before opening to light traffic.

Curing:
All exposed areas of grout must be treated with CURE 300 C or CURE 200 curing compounds or kept wetted out for at least 10 days.

**TYPICAL PROPERTIES**

Initial Set 2 Hours at 20°C
Final Set 4 Hours at 20°C
Application Temp 15°C to 25 °C
Thickness 10mm to >100mm
Pot Life 20 minutes
Yield 11 litres per 25Kg

Compressive Strength
1 Day 15MPa
3 Days 25MPa
7 Days 40 MPa
28 Days 58 MPa

Flexural Strength
1 Day 1.8 MPa
3 Days 3.0 MPa
7 Days 4.6 MPa
28 Days 6.5 MPa

Tensile Strength
1 Day 1.2 MPa

3 Days 3.0 MPa
7 Days 4.4 MPa
28 Days 5.4 MPa

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

*Warranty*
*Masonry Cement Composites (PTY) Ltd products have a manufacturing defect free warranty. Products, when applied as stipulated in this technical datasheet, will perform as specified without manufacturing defect.*
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