

Masonry Cement Composites (Pty) Ltd

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Grout Stadium Grey 25Kg



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TECHNICAL DATASHEET

GROUT STADIUM GREY

Feather Grade, Multi-Purpose Non-Shrink Grout

GROUT STADIUM GREY is a premixed ready to use dry grout with a precise blend of graded silicates and fine sand 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

Mortar repairs, plaster repairs, off-shutter repairs, and all irregular or uneven surfaces can be filled for a hard, well bonded, smooth, feathered grout finish. In all applications where excessive grout thickness is a criterion and a natural aggregate non-shrink grout is specified.

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 STADIUM GREY 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:

Surfaces are to be clean, sound and free of deleterious substances. Remove all laitance, oil, grease, mould oil or curing compound from concrete surfaces using wire brush, bush hammer, scabbler or other plant as appropriate. When repairing damaged concrete, ensure that all loose concrete has removed down to a firm base. Green concrete needs to be free from bleed water and firm enough to work on.

Priming:

Damp down all surfaces. Small divots and holes can be pre-wet with water as long as excess water can be drained prior to being filled with GROUT STADIUM GREY.

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 15-25°C. Do not grout in freezing conditions. Mix 25Kg GROUT STADIUM GREY with 4 – 5 litres water. Place mixed grout onto the damp surface. 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 6 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 6 Hours at 20°C

Application Temp 15°C to 25 °C

Thickness 10mm to feather

Pot Life 20 minutes

Yield 4-5 litres per 25Kg

Compressive Strength

1 Day 15MPa

3 Days 25MPa

7 Days 42 MPa

28 Days 70 MPa

Flexural Strength

1 Day 1.8 MPa

3 Days 3.0 MPa

7 Days 4.3 MPa

28 Days 5.4 MPa

Tensile Strength

1 Day 1.2 MPa

3 Days 3.0 MPa

7 Days 4.2 MPa

28 Days 6.2 MPa

Equipment Care

All tools should be cleaned with thinners immediately after use. If delayed, the 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.

REVISION: 5.2