KingGrout® MC200

Masonry construction void filling grout.

DESCRIPTION

KingGrout MC200 is a dry, preblended mix containing cementitious materials and dried aggregates. It is formulated to provide superior grout to fill masonry voids and meets ASTM C476 requirements for reinforced masonry construction.

APPLICATIONS

- Bond adjacent masonry units and steel reinforcement.
- Fill reinforced bond beams in masonry construction.
- Produce a structural bearing wall system when used in conjunction with steel reinforcement.
- Fill hollow block joints in masonry construction.

ADVANTAGES

- Quality controlled preblended mixes conforming to ASTM C476.
- Available in a wide range of colours.
- Excellent physical properties.
- Low permeability.
- Easy to use, requires only the addition of mixing water.
- Flowable self-consolidating consistency able to fill any void easily.

STANDARDS

- KingGrout MC200 complies with the requirements of:
- ASTM C476 standard specification for Fine Grout masonry.
- ASTM C387 as mortar for unit masonry Type M, S and N.
- ACI 530.1 Specification of Masonry Structures.

METHOD OF USE

Use a mechanical batch mixer to ensure homogeneity, workability, and good board life. Add 3.2 - 3.3 litres of clean water for every 25 kg bag.

Mix for 5 minutes prior to placement, KingGrout MC200 may be used in both low-and high-lift applications, placement can be made by hand or using mechanical pumping equipment.

MAINTENANCE

Properly mixed and installed masonry units and mortar require little maintenance. Depending on service conditions, masonry walls may require periodic cleaning and tuckpointing.

TECHNICAL PROPERTIES

@ 25°C. w/p = 0.13

Fresh wet density:	2.1 ± 0.1 g/cm³
Pot life:	1 hr
Setting time: ASTM C403	7 - 9 hrs
Slump: ASTM C143	205 ± 2 mm
Compressive strength: ASTM C1019	≥ 19 MPa @ 3 days ≥ 40 MPa @ 28 days
VOC:	< 5 g/ltr

PACKAGING

KingGrout MC200 is available in 25 and 50 kg bags.

YIELD

Approximately 13- 14 litres per 25 kg bag.

STORAGE

Shelf life is 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult KingKrete's Technical Services Department.

HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local KingKrete representative. KingKrete Inc. reserves the right to have the true cause of any difficulty determined by accepted test methods.

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QUALITY AND CARE

All products originating from KingKrete's Middle East facility are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, ISO 14001 and ISO 45001.

* Properties listed are based on laboratory-controlled tests.
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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this KingKrete Inc. publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by KingKrete Inc. either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not KingKrete Inc. are responsible for carrying out procedures appropriate to a specific application.