

TYPE M MORTAR
DIVISION 04

MASONGO 200

FEATURES & BENEFITS

- » Economic
- » High compressive strength
- » Factory calibrated mix
- » Good adhesion characteristics
- » Good resistance to freeze-thaw cycles

USES

- » Laying brick, natural stone or concrete blocks

CAUTION

Colour variations on the hardened mortar can be observed even if the mortar in-place has been previously coloured in the factory and complies with the project specifications.

These colour variations are mainly attributed to various implementation conditions such as delay between mixing and tooling of the joints, lack of protection against the weather during implementation, or rate of absorption/humidity variability. In order to avoid an undesirable result, we recommend that you pay particular attention to these points.

MasonGo 200 is a pre-mixed, pre-bagged, Type M mortar specially designed to be used laying bricks, natural stones, concrete blocks and other masonry products, when higher compressive strength is required. This mortar is composed of cementitious material, an air-entraining agent, and sand with a controlled particle size distribution. This product is grey in colour, but may be coloured in the factory or on-site using KING's exclusive **Colour Plus System**.

EXECUTION

- The application of the mortar must comply with the requirements of Sections 6 and 7 of CSA A371-14
- Never spread mortar on frozen surfaces

MIXING

Mix MasonGo 200 with a maximum of 4.5 L (1.2 US gallons) of potable water per 30 KG (66 lb) of mortar in a clean mortar mixer. Pour 4.0 L (1.0 US gallon) of water into the blender and add 30 KG (66 lb) of MasonGo 200 mortar. Mix for 3 to 5 minutes, or 5 to 10 minutes if a colourant is added on-site. Allow the mortar to rest for a short period of time. Using the remaining water, adjust the mortar to obtain the desired consistency.

PLACEMENT OF MORTAR

The placement of the mortar must be done in the period of time stipulated in article 6.3.1. of CSA A179-14.

TOOLING OF THE JOINTS

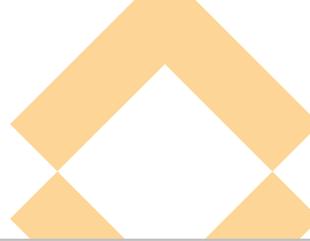
The tooling of joints exposed to rain is an important step that contributes to the waterproofing of the masonry system, and must be done using a jointer. The amount of water present in the mortar joint at the time of tooling will determinate the final colour of the cured mortar. To avoid colour variation, ensure that the mortar joint always contains the same amount of water when it is tooled. As a general rule, the joint is considered ready to be tooled when the mortar has hardened sufficiently, such that the fingerprint mark remains. Unless otherwise stated, a concave joint is preferred.

CLEANING

Using water, a piece of jute or a piece of wood, make sure to remove as much splash or mortar stains as possible, before the mortar has hardens, to prevent the use of cleaning agents. If the use of cleaning products is necessary, be sure to contact the manufacturer of the product to validate the compatibility and the procedure to follow.

Regardless of the technique or product selected, it is essential to preserve the integrity of the mortar.

Be sure to clean a test area before proceeding with the work.



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LIMITATIONS

- » Do not use the MasonGo 200 when a Type N or a Type S mortar is specified. In this case, it is recommended to use KING 1-1-6, KING 2-1-9 or KING Block
- » Never add admixtures on-site to modify set time, handling or any other property of the plastic or hardened mortar
- » Use only the recommended amount of water to obtain the properties of the desired plastic or hardened mortar

PACKAGING

This product is packaged in 30 KG (66 lb), triple-lined bags or bulk bags, wrapped on wooden pallets.

STORAGE AND SHELF LIFE

Always store in a dry area, protected from the weather. On-site, an additional tarpaulin must be used to cover the product to prevent water infiltration. Unopened, properly stored bags have a shelf life of 12 months.

SAFETY PROCEDURES

This product is made of Portland Cement. Wearing safety equipment used for the handling of cement-based products is therefore recommended: rubber gloves, dust mask and safety glasses. Safety Data Sheets can be provided upon request.

TECHNICAL DATA*

| | AVERAGE VALUE MASONGO 200 |
|--|--|
| COMPRESSIVE STRENGTH | |
| ASTM C 109 | |
| 7 day | 11 MPa (1595 psi) |
| 28 days | 20 MPa (2900 psi) |
| FLOW | |
| | 110% +/- 5% |
| AIR CONTENT | |
| EN 1015-7 Method A | 18% Maximum |
| WATER RETENTION | |
| ASTM C 1506 | 70% Minimum |
| VAPOR TRANSMISSION | |
| ASTM E 96 | 11 Perms |
| SHRINKAGE | |
| ASTM C 596 - 91 Day | 0.135% |
| FREEZE-THAW RESISTANCE | |
| ASTM C 666M | Excellent after 150 cycles |
| YIELD PER 30 KG (66 LB) BAG | |
| | 0.018 m ³ (0.65 ft ³) of fresh mortar |

*The average values of the KING product are obtained under laboratory conditions. The average values of the KING product are applicable in the case where the mortar is used as laying mortar. If the mortar is used as a repointing mortar or plaster, the average values will be different.

Note: The contents of this Technical Data Sheet are updated regularly. To ensure that you have the most recent version, please visit our website at the following address: www.king-masonry.com

This product is designed to meet the performance specifications outlined in this product Technical Data Sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade.

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