

MASONCARE 300

MasonCare 300 is a pre-blended, pre-packaged Type O mortar specifically designed for use in repointing and non-load-bearing wall applications. This mortar is a blend of Portland cement, Type S hydrated lime, masonry sand and other carefully selected components. MasonCare 300 conforms to ASTM C270 for Type O mortar with the addition of water. It is grey in color, but can also be blended with a variety of coloring agents.

FEATURES & BENEFITS

- High bond strength.
- High vapor transmission properties.
- Superior workability.
- Autogeneous healing properties.
- Low strength.
- Pre-blended, ensuring consistency from the first batch to the last.
- All KING products are manufactured using ISO 9001:2008 Certified Processes.

USES

- Ideal for use in repointing.
- Can be applied indoors, outdoors or for any other masonry application where low strength and superior workability is required.

PROCEDURES

Mixing:

For best results, add a maximum of 4.3 litres (1.13 US gallon) of potable water per 30 kg (66 lb.) bag into the mixer. Gradually add MasonCare 300 to water and mix with either a paddle or drill mixer, operating until the mix is heavy bodied enough to retain its shape when fashioned by hand into a ball. Wait approximately 30 minutes before the application. It is important to mix the entire content of the bag.

Placing:

Clean the area to be repaired, removing all loose material at a thickness corresponding to 2 times the thickness of the joint. Moisten the area to be repaired with potable water, leaving the old masonry unit saturated but free of standing water (SSD). Place MasonCare 300 into the joint in successive layers to a maximum depth of 6 mm (¼ inch). Compact well and let dry slightly before adding additional layers. Tool the joints prior to final set time in order to optimize carbonation.

Curing:

Curing is essential to optimize the physical properties of mortar. Curing is performed by using a wet cure that must start from the initial set of the mortar and continue for a period of three days.

TECHNICAL DATA

The following data is representative of typical values achievable under laboratory conditions according to ASTM C270 for Type O Mortar. Results in the field may vary.

COMPRESSIVE STRENGTH (MINIMUM) 28 day	2.4 MPa (350 psi)
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FLOW	110 +/- 5 %
AIR CONTENT	14 % Maximum
WATER RETENTION	75 % Minimum
VAPOR TRANSMISSION ASTM E-96	25 Perms
BOND STRENGTH CSA A23.2-6B	0.75 MPa (110 psi)

OPTIMUM PERFORMANCE

- MasonCare 300 should not be used where Type N or S mortar is specified. For applications requiring conventional Type N Mortar, please refer to KING 1-1-6. For applications requiring conventional Type S Mortar, please refer to KING 2-1-9.
- The substrate and mortar temperature should be between 5°C and 38°C (40°F and 100°F) and maintained in this range for 72 hours after mortar application.
- MasonCare 300 should be moisture cured for a period of 3 days.
- Never use on-site admixtures to modify setting time, workability, or any other properties of plastic or hardened mortar.
- Use only the recommended water content to achieve the desired plastic and hardened mortar properties.

YIELD

30 kg (66 lb.) bag contains approximately 0.018m³ (0.65ft³) of fresh mortar, enough to repoint approximately 90 linear meters (300 ft).

PACKAGING

MasonCare 300 is normally packaged in 30 kg (66 lb.) triple lined bags and poly wrapped on wooden pallets. All KING products can be custom packaged to suit specific job requirements.

STORAGE AND SHELF LIFE

Material should be stored in a dry covered area protected from the elements. Unopened bags have a shelf life of 12 months.

SAFETY PROCEDURES

MasonCare 300 contains Portland cement and lime. Normal safety-wear such as rubber gloves, dust mask and safety glasses used to handle conventional cement based products should be worn. Material Safety Data Sheets are available upon request.

Note: The contents of this 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 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

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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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