

Masonry Cement

BONSAL® Masonry Cement is a blended hydraulic cement. When mixed with the proper sand and water, it will produce mortar for brick, blocks and other masonry work.

FEATURES AND BENEFITS:

- Meets all requirements for Masonry Cement under specification ASTM C 91 Type N or S (Mill Test certifications available upon request)
- Bags are identified with the letter N or S

USES:

- Interior or exterior mortar for laying brick, block, pavers or flagstone
- As the cement for making Stucco base coats

Consult the following references:

ASTM C 144 Specification for Aggregate for Masonry Mortar

ASTM C 270 Standard Specification for Mortar for Unit Masonry

ACI 524 Guide for Portland Cement Plastering

ACI 530 Building Code Requirements for Masonry

MIXING:

The following mix proportions are meant to be a guide. Workability, strength and color may vary depending on the quality of the sand and the addition of mixing water.

Type N (normal strength) Mortar

1 bag 70 lbs. (31.6 kg) of Type N Masonry Cement
3-4 parts 300-400 lbs. (136 - 181 kg) Masonry Sand
Approximately 4 1/2 (17 l) gallons of water

This mortar will produce a compressive strength of at least 800 psi (5.5 Mpa) after 28 days curing.

Type S (high strength) Mortar

1 bag 78 lbs. (35.2 kg) of Type S Masonry Cement
3 parts 300 lbs. (136 kg) of Masonry Sand
Approximately 4 1/4 (16 l) gallons of water

This mortar will produce a compressive strength of at least 1800 psi (12.4 Mpa) after 28 days curing.

MIXING:

Mix all ingredients in a mechanical (mortar) mixer or mix by hand with a hoe in a wheel barrel. Add water until the mix has a creamy "plastic" consistency (not fluid). Use the mortar within 1 - 2 hours after mixing.

PLACEMENT:

Use a pointed masonry trowel to spread the mortar as the setting bed and butter the brick/block at the head joints before placing into the setting bed. Lightly tamp the brick/block in place with the back of the trowel. Use a level and plumb true to keep the work straight and level. Wipe off exterior mortar immediately. Tool or strike the joints for the desired effect; (recessed, flush, v-joints or rounded).

CURING:

Protect fresh installation from sudden rain and brace walls over 4 feet (1.2 m) from wind damage until the mortar has cured.

All masonry work should be done at temperatures above 40°F. (4°C) Temperatures must not drop below freezing for the first 2 days after installation.

TECHNICAL DATA:

Masonry Cement Type N meets the requirements for normal strength masonry cement as given in ASTM C 270.

Masonry Cement Type S meets the requirements for high strength masonry cement as given in ASTM C 270.

COVERAGE:

When mixed with the proper sand proportions, a bag of Masonry Cement will make enough mortar to lay approximately 350 bricks or 140 concrete blocks with a 3/8" (1 cm) thick mortar joint.

COLOR:

Grey only

Note: Masonry Cements may vary in color from different locations or lots. Always use the same lot or supplier for the construction project.

PACKAGING:

Type S - 78 lb./35.2 kg bags
Type N - 70 lb./31.6 kg bags

SHELF LIFE:

One year from date of manufacture when stored dry.

Technical Assistance

Charlotte, NC
(800) 334-0784

Home Office

Charlotte, NC
(704) 525-1621
(800) 738-1621

WARNING!

MAY CAUSE SKIN AND EYE BURNS OR IRRITATION. INHALATION MAY CAUSE CANCER OR DELAYED LUNG INJURY.

Avoid contact with eyes and skin. This product contains hydraulic cement and lime. When mixed with water and/or latex, it results in a solution that is highly alkaline and may burn or irritate the eyes or skin. Wear safety glasses or goggles, protective clothing, shoes, and gloves to prevent eye and skin contact. **Do not take internally.**

Avoid breathing dust. This product contains crystalline silica. Prolonged exposure to crystalline silica dust may cause lung cancer or delayed lung injury, including silicosis. Take measures to eliminate or control dust while handling or placing this product. Wear a respirator approved for protection against crystalline silica dust.

Warning: This product contains a chemical known to the state of California to cause cancer.

First aid: If swallowed, drink one or two glasses of water to dilute. Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention. **In case of contact,** flush eyes or skin thoroughly for a minimum of 15 minutes with clean water and get prompt medical attention. Wash clothing and thoroughly clean shoes before reuse.

Read the Material Safety Data Sheet (MSDS) for this product prior to use. For additional information call the W.R. Bonsal Company at 704-525-1621. For emergency information call CHEMTREC at 800-424-9300 or 703-527-3887 (Outside USA).

KEEP OUT OF REACH OF CHILDREN

PC-99-1000

LIMITED WARRANTY: W.R. Bonsal Company ("Bonsal") warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. Bonsal will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself. This Warranty shall apply only if the product is used in strict accordance with applicable specifications and instructions provided by Bonsal for its use, and Bonsal shall not be liable otherwise. Replacement of any defective product, or, at Bonsal's option, refund of the purchase of any defective product shall be the buyer's sole remedy under this Warranty, and Bonsal shall in no event be liable for any damages in excess of the purchase price of the defective product. **BONSAL SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES.**

This Warranty constitutes the sole warranty given by Bonsal in connection with this product, and Bonsal has authorized no person to make or give any other warranties or representation, oral or written on its behalf. **IN PARTICULAR, THERE ARE NOT IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No modification of this Warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Bonsal.



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