

INDUSTRIAL MORTAR MIX TYPE S

Description

ProSpec[®] Industrial Mortar Mix Type S is a mixture of masonry cement and sand for unit masonry and stucco.

Features

- Preblended
- Excellent workability
- Eliminates problems of job-mixed mortar and stucco
- Can be pigmented
- Meets ASTM C 270 specifications for Type S Mortar
- Consistent quality and yield versus jobsite mix

Uses

Install:

- Brick
- Structural clay tile
- Stucco
- Block
- Stone

Technical Data

Meets the property specifications of ASTM C 270 Mortar for Unit Masonry.

Compressive Strength

(28 days) Type S >1800 psi (12.4 MPa)

Test results obtained under controlled laboratory conditions.
Reasonable variations can occur due to atmospheric and job site conditions.

Refer to

- ASTM C 926 [Application of Portland Cement Plaster](#)
- ACI 524R [Guide to Portland Cement Plastering](#)

Preparation

Clean area and remove all unsound concrete, grease, oil, paint and any other foreign materials that will inhibit performance. Slick or sealed surfaces must be thoroughly roughened.

Refer to

- [Building Code Requirements for Masonry Structures \(ACI 530/ASCE 5/TMS 402\)](#)

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Mixing

Mix 1.5 gallons (5.7 L) of clean potable water per 80 lb. (36.3 kg) bag.

NOTE: Water with high mineral salt content can cause efflorescence. Efflorescence occurs naturally and is beyond the control of Bonsal American.

Placement

Install in accordance with local building codes.

1. When laying brick or block, butter the end with mortar before placing into a full bed of mortar.
2. Tap into place while leveling.
3. When tuck pointing mortar joints, place material in the joint with a pointing trowel and compact.

Allow the newly placed material to set about 1 hour until the surface is thumb print hard before striking with a jointer tool. When repairing stucco apply the material using a plasterer's hawk and trowel using enough pressure to completely fill and compact the material.

Finishing

Dress mortar joints with a joint tool. Texture stucco to match the surrounding area using a plasterer's trowel.

Curing

Under conditions of high temperature 80° F (27° C), low humidity and wind, loss of surface water occurs quickly. Fog spray as needed, depending upon conditions to promote adequate curing. In cold weather adequately cover and keep from freezing for a minimum of 24 hours. Protect from rain for 24 hours.

Color

Gray

Yield

Laying brick, block or stone:

One 80 lb. (36.3 kg) bag will lay approximately 15 8" (200 mm) concrete blocks or 40 standard bricks with 3/8" mortar joint

Used as a stucco:

One 80 lb. (36.3 kg) bag will cover approximately 70 ft² (6.4 m²) at 1/8" (3.2 mm thick).

For cultured stone:

One 80 lb. (36.3 kg) bag will install approximately 10 ft² (0.9 m²) of cultured stone. Coverage is approximate and will vary with waste and spillage.

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Packaging

80 lb. (36.3 kg) bag

Storage

Store material in a tightly closed container off the floor in a dry place.

Shelf Life

One year from date of manufacture.

Best Performance

- Do not apply when air and substrate temperature is below 45° F (7° C) or above 90° F (32° C).
- Do not apply over frozen substrates or when temperatures are expected to fall below 45° F (7° C) within 48 hours.
- Addition of cold water at high temperatures or warm water at low temperatures will aid in adjusting the set time.
- Use cold water when temperature exceeds 90° F (32° C).
- Re-tempering will lower strengths.
- Protect from freezing for 24 hours.
- Not to be used as a grout on traffic bearing surfaces.
- Overwatering will cause cracking, reduced strength and efflorescence.

NOTE: Proper application and installation of all ProSpec products are the responsibility of the end user.

Caution

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Product is alkaline and may burn or irritate upon contact with eyes or skin. Do not take internally. Use of safety goggles, rubber gloves and dust respirator is recommended. Avoid prolonged

contact with clothing. This product contains crystalline silica. Take measures to contain and reduce dust. Prolonged exposure to crystalline silica may cause silicosis or other serious delayed lung injury.

Avoid breathing dust. For prolonged exposure wear a respirator approved for protection against crystalline silica dust. Crystalline silica has been classified by IARC and NTP as a carcinogen.



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First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes and SEEK IMMEDIATE MEDICAL ATTENTION. For skin contact, wash thoroughly with soap and water. If swallowed,

SEEK IMMEDIATE MEDICAL ATTENTION. For additional information, call Bonsal American at 704-525-1621 or CHEMTREC at 800-424-9300 or 703-527-3887 outside of the USA.

Refer to Material Safety Data Sheet (MSDS) for further information.

LIMITED 1 YEAR WARRANTY FROM DATE OF MANUFACTURE: Bonsal American warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. Bonsal American 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 American for its use, and Bonsal American shall not be liable otherwise. Replacement of any defective product, or, at Bonsal American's option, refund of the purchase of any defective product shall be the buyer's sole remedy under this Warranty, and Bonsal American shall in no event be liable for any damages in excess of the purchase price of the defective product. BONSAL AMERICAN SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES INCLUDING LOSS OF PROFITS OF ANY KIND. Product demonstrations are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. This Warranty constitutes the sole warranty given by Bonsal American in connection with this product. No modification of this Warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Bonsal American. Bonsal American has authorized no person to make or give any other warranties or representation, oral or written on its behalf. IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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