The Pro's Choice Since 1936

SAKRETE®

Roof Tile Mortar Mix

Sakrete® Roof Tile Mortar Mix is a mixture of high strength masonry cement and sand

SAFETY:
READ and UNDERSTAND the Material Safety Data Sheet (MSDS) before using this product. WARNING: Wear protective clothing and equipment.
For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA). KEEP OUT OF REACH OF CHILDREN.

PROCEDIMIENTOS DE SEGURIDAD:
LEA y COMPRENDA la Hoja de datos de seguridad de materiales (MSDS, por su sigla en inglés) antes de utilizar este producto. ADVERTENCIA: Utilice vestimenta y equipos de protección. Para obtener información adicional, llame a CHEMTREC al 800-424-9300 o al 703-527-3887 si se encuentra fuera de los EE.UU. MANTENGA ALEJADO DEL ALCANCE DE LOS NIÑOS.

FEATURES:
- Just add water
- Eliminates Problems of Job-Mixed Mortar
- Meets ASTM C 270 Specifications for Type M Mortar
- Better Inventory Control
- Consistent Yield
- Consistent Quality
- Meets South Florida and Metro-Dade Building Code Requirements for High Profile Tile Metro-Dade 03-0407.01

SET
Clay and Cementitious Roof Tile

JOB MOCKUPS
Bonsal American, Inc. requires that when the Sakrete® Roof Tile Mortar Mix is used in any application or as part of any system that includes other manufacturers' products, the contractor and/ or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the tests performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation.

PREPARATION:
Sakrete® Roof Tile Mortar Mix should be applied over properly installed roofing membranes as governed by applicable code requirements. The roofing membranes must be fully intact and be free of any debris or foreign matter that would interfere with the bond between the roofing and the mortar.

PREPARATION (CONT.)
Cement Based Substrates
Clean area and remove all unsound concrete, grease, oil, paint and any other foreign materials that will inhibit performance. Slick or sealed cementitious surfaces must be thoroughly roughened.
Refer to:
Building Code Requirements for Masonry Structures (ACI 530/ASCE 5/TMS 402).

MIXING:
Empty contents of entire bag of Sakrete® Roof Tile Mortar Mix and combine with 1 ½ gallons of clean potable water per 80lb. bag in a mortar or plaster mixer.
Avoid over watering and mixing.

Use within 2 hours of mixing. Re-tempering will reduce strength. Wind, temperature, and absorption rate of the substrate affects performance.

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

PLACEMENT:
Mortar
Install in accordance with Building Code Requirements, ACI 530/ASCE-6, Specifications for Masonry Structures, National Tile Roof Manufactures Association recommendation, project requirements and this product information.

The Air, Mix & Substrate temperatures should all be between 40° F (4.4° C) to 90° F (32.2° C). After Sakrete® Roof Tile Mortar has been properly mixed it should be applied to a minimum of a full 10" masons trowel for each tile. Different tile will require different adhesion patterns. Tile should be placed on the Sakrete® Roof Tile Mortar within 5 minutes.

CURING:
Protect from rain for 24 hours.

Materials modified with Sakrete® Bonder and Fortifier should be air cured, unless hot and/or drying winds or low humidity are present. Under such conditions, cure per Portland Cement Associations – Design and Control of Concrete Mixes (EB001.12 T) and/or American Concrete Institute 308 – Standard Practice for Curing Concrete.

As with all Hydraulic Cement based materials, surface cracking may occur due to curing conditions, control joint configurations, over watering, over troweling, or other conditions beyond the control of Bonsal American.

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TECHNICAL DATA (TYPICAL VALUES)

Sakrete® Roof Tile Mortar Mix is manufactured to meet strength specifications for mortar of the following types:

Compressive Strength
ASTM C 270 (28 days)

7 days	2,500 psi (17 MPa)
28 days	3,500 psi (24 MPa)

Water Retention
ASTM C 270

Type M	80%

COLORS:

Gray. Up to 1lb. of Sakrete® Cement Color per 80lb. bag of Sakrete Roof Tile Mortar Mix may be used on the job.

LIMITATIONS:

- DO NOT use this material below 40° F or when temperatures are expected to drop below 40° F within 48 hours.
- DO NOT add more than one pound of cement color per bag.
- DO NOT apply over substrates that are frozen or contain frost.
- DO NOT apply when air or substrate temperatures is below 40° F or above 90° F
- DO NOT over water.

COVERAGE:

One bag yields 2/3 cubic feet

PACKAGING:

80lb. (36.3 kg) Multiply Bag

STORAGE:

Long shelf life. Return any unused product to the bag and store for future use.

DISPOSAL:

Comply with all applicable local, state and federal regulations for disposal or unusable or contaminated materials. Dispose of packaging/containers according to local, state and federal regulations.

LIMITED 1 YEAR WARRANTY FROM DATE OF MANUFACTURE: Bonsal American warrants that this product and the materials used therein shall for a period of one year after manufacture 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 representations, 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.

WARNING

This product contains Portland cement and silica sand. Avoid contact with eyes and skin. Do not take internally. Crystalline silica sand may cause serious lung problems. Avoid breathing dust and wear a respirator in dusty areas. Contact with wet unhardened concrete, mortar, cement or cement mixtures can cause skin irritation, severe chemical burns or serious eye damage. Wear waterproof gloves, a fully buttoned long-sleeved shirt, full-length trousers and tight fitting safety goggles. If you have to stand in wet product, wear waterproof boots high enough to keep product from getting inside. If working on hands and knees, wear knee pads. Indirect contact through clothing can be as serious as direct contact. Promptly, rinse out wet product from clothing.

KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS. This product contains a chemical know to the state of California to cause cancer. Consult Material Safety Data Sheet for further information.
FIRST AID: Eye Contact: Flood eyes with water for at least 15 minutes and consult a physician immediately. DO NOT RUB EYES. Skin Contact: Wash exposed skin area with soap and water. Consult a physician if irritation persists. Inhalation: Remove to fresh air. Ingestion: Immediately consult a physician.
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.

ENVIRONMENTAL ADVISORY
Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a per¬mitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat

The SAKRETE Companies
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