

LIMITATIONS

SPEC MIX Setting Bed Mortar should be installed in accordance with the provisions of the local building code and applicable ASTM and ACI standards. Good workmanship coupled with proper detailing and design assures durable, functional, watertight construction. Follow proper cold-weather masonry procedures at temperatures below 40° F (5° C).

LIMITED WARRANTY

SPEC MIX, Inc. warrants this product to be of merchantable quality when used or applied in accordance with the instructions hereon. This product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is LIMITED to the replacement of its product (as purchased) if found to be defective, or at the shipping company's option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to SPEC MIX, Inc. in writing at: One Securities Centre, 3490 Piedmont Road, Suite 1300, Atlanta, GA 30305. THIS LIMITED WARRANTY IS ISSUED AND ACCEPTED IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND EXPRESSLY EXCLUDES LIABILITY FOR CONSEQUENTIAL DAMAGES.

WARNING

IMPORTANT! READ BEFORE USING. WEAR IMPERVIOUS GLOVES, such as nitrile.

WARNING: CAN CAUSE SERIOUS INJURY TO SKIN AND EYES. This product contains Portland cement. Contact with freshly mixed product can cause severe burns. Avoid direct contact with skin and eyes. If this product should contact eyes, immediately flush with water for at least 15 minutes and consult a physician. For skin exposure, wash promptly with plenty of soap and water. Remove soaked clothing promptly. If this product burns your skin, see a physician immediately. This

product may contain silica. Silica dust if inhaled may cause respiratory or other health problems. Prolonged inhalation may cause delayed lung injury, including silicosis and possibly cancer. A N95 approved dust mask, eye protection, and rubber boots and gloves are recommended when using this product. Safety Data Sheets can be viewed online at www.specmix.com

KEEP OUT OF REACH OF CHILDREN

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Distributed By:

TECHNICAL SUPPORT

- CONTACT YOUR LOCAL SPEC MIX® MANUFACTURER
- VISIT WWW.SPECMIX.COM
- CONTACT SPEC MIX®, INC.
PHONE: 888-SPEC-MIX FAX: 888-FAX-SPEC

SPEC MIX PRODUCTS ARE PRODUCED BY ITS MANUFACTURING FACILITIES THROUGHOUT THE U.S. AND CANADA. EACH MANUFACTURER ADHERES TO A STRICT QUALITY ASSURANCE PROGRAM TO ENSURE COMPLETE QUALITY CONTROL IN EVERY BATCH.

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DIVISION 04
MASONRY PRODUCTS

SPEC MIX®

SETTING BED
MORTAR



Great Workability.
Increased
Bond.



TOTAL QUALITY CONTROL WITH EVERY BAG
LABORATORY TESTED MIX DESIGNS
PREBLENDED WITH SAND TO MINIMIZE LABOR COST
CONSISTENCY BATCH TO BATCH
GREAT WORKABILITY AND BOARD LIFE
SPECIFICALLY DESIGNED TO MATCH STONE CHARACTERISTICS
NO SAND PILES OR WASTED MATERIALS LEFT ON SITE

GREAT COMPACTION. HIGH STRENGTH.

SPEC MIX[®] Setting Bed Mortar is specifically engineered as a thick, solid mortar bed for constructing horizontal surfaces with natural and manufactured paving units. This dry preblended mortar contains cementitious materials and dried aggregates that are mixed with a low water addition rate for a zero-slump dry pack base material. Now contractors have high quality, consistent bedding materials that increase daily productivity—EVERY TIME!

SPEC MIX Setting Bed Mortar can be used as a paving unit base for residential and commercial paving unit applications. It can be used for interior and exterior installations allowing light and medium traffic.

SPEC MIX Setting Bed Mortar is produced under strict manufacturing standards supported by complete quality control measures. A digital printout displaying the proper proportions per batch may be kept as a permanent record. Each SPEC MIX manufacturer certifies that SPEC MIX masonry products are designed to meet applicable ASTM and ACI standards.



INSTALLATION/APPLICATION

SPEC MIX Setting Bed Mortar is to be mixed to a zero slump consistency (dry pack). The use of reinforcing wire mesh is recommended when placing setting bed mortar. Place setting bed mortar in two lifts utilizing a 2" x 2" (50 mm x 50 mm), 16 gauge galvanized welded wire between lifts. The wire mesh should be suspended in the middle of the mortar bed. Spread the mortar and compact well. Minimum mortar bed thickness shall be 2" (50 mm). When placing paving units, apply a slurry bond coat. While the slurry bond coat is wet and sticky, place the tile and beat in well. SPEC MIX Setting Bed Mortar is available in coarse and fine aggregate formulations to accommodate any application requirement.

A sample of the proposed product will be provided by the manufacturer for architectural approval and testing, if required. Preparation of a sample panel with all materials and masonry systems employed in the final project is imperative. Retain the mock-up or field sample through the completion of the project.

Install when ambient and substrate temperatures are between 40o and 90o. If temperatures are outside this range within 48 hours of placing, follow ACI Hot & Cold Weather Concrete Practices.

Clean masonry only with a national proprietary cleaning agent (following the manufacturer's instructions) or potable water. SPEC MIX products are custom packaged to the specification. They must be kept dry, covered and protected from weather and other damage.

SIZES AND EQUIPMENT

SPEC MIX Building Stone Mortars are available in 80 lb. (36 kg.) packages for easy hand loading or in 3,000 lb. (1,362 kg.) reusable bulk bags to be used with the various SPEC MIX silo systems. When using the silo system, once the bulk bags of mortar are delivered to the project site, the portable silo is loaded with a job site forklift and the product is dispensed into a mechanical batch mixer.

MIXING INSTRUCTIONS

WEAR IMPERVIOUS GLOVES, such as nitrile when handling product.

1. Use a mechanical batch mixer to ensure homogeneity, workability and good board life.
2. Add the minimum amount of clean, potable water for optimum workability.
3. Mix for 4-5 minutes consistently from batch to batch.
4. Tool mortar joints when the surface is thumb-print hard. Keep tooling times consistent.
5. Hand mix mortar only with written approval by the specifier who should outline procedures.
6. Use mortar within 2.5 hours after initial mixing.
7. Retemper mortar only when mixing water is lost due to evaporation.

ESTIMATED YIELDS PER 80 LB. (36.3 KG) BAG

Bed Depth	Approximate Yield	
	80lb (36.3kg) bag	3,000lb (1,360.8kg) bag
1 in (2.5 cm)	8 sq ft	300 sq ft
2 in (5.1 cm)	4 sq ft	150 sq ft
3 in (7.6 cm)	2.67 sq ft	100 sq ft
4 in (10.2 cm)	2 sq ft	75 sq ft

* The yields given above are approximate and depend on labor practices, site conditions and design of work. Yields include typical waste. Some areas such as FL, CA, OR, and WA experience higher yields. Please contact your local representative for more specific yield information in your area.