



04 DIVISION
MORTAR

TUCKPOINT MORTAR



Increased Bond. Reduced Shrinkage.

SPEC MIX® Tuckpoint Mortar is a dry preblended mortar mix containing Portland cement, hydrated lime and dried masonry sand formulated for superior bond, water retention and board life. The mix design incorporates the maximum amount of lime for optimal bond to the masonry unit to permit the pointed wall to expand and contract, while mitigating the occurrence of potential cracking and spalling that is common with inflexible, high strength mortars. SPEC MX Tuckpoint Mortar is thoroughly pretested to ensure it meets ASTM C 270, ASTM C 1714 and CSA A 179 requirements. SPEC MIX Tuckpoint Mortar is available in standard or custom colors. In addition to custom mix designs that are available for specific applications or properties, the standard Tuckpoint Mortar is designed to be compatible with the characteristics of the specified masonry unit. It is acceptable for all types of masonry construction.

SPEC MIX Tuckpoint Mortar is produced under strict manufacturing standards, and complete quality control measures are implemented with each batch. A digital printout displaying the proper proportions per batch may be kept as a permanent record. Submittals are available upon request for certification to applicable ASTM, ACI, and CSA standards.

TYPICAL MATERIALS

PORTLAND CEMENT
HYDRATED LIME
SAND
PIGMENT



STANDARD (TP-01)
COLOR (TP-05)

AVAILABLE
IN COLOR





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INSTALLATION/APPLICATION

For optimal results, grind the mortar joint to be repaired back 3/4 in (19 mm) and ensure that the receiving surface is free of dust and debris.

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

Allow mortar to cure a minimum of 7 days but no more than 28 days before cleaning. Consult manufacturer of the masonry units and cleaning chemicals for further instructions to ensure proper washing procedures.

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

SIZES AND EQUIPMENT

SPEC MIX Tuckpoint Mortar is available in 80 lb (36.2 kg) packages for easy hand loading or in 3,000 lb (1,360.7 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 jobsite forklift and the product is dispensed into a mechanical batch mixer.

MIXING INSTRUCTIONS

WEAR IMPERVIOUS GLOVES, such as nitrile.

- Mixing is best accomplished by using a mechanical mixer to ensure optimal workability and performance.
- Use clean, potable water; add the amount of water consistent with optimum workability which provides adequate water to satisfy the initial rate of absorption of the masonry units.
- Mix for five minutes. Let the mortar stand for prehydration according to job specifications and local building codes. Add sufficient water to bring the mortar to the proper consistency for tuckpointing, somewhat drier than mortar used for laying the units.
- Maintain the same mixing procedures to maintain consistency throughout the project.
- Tool mortar joints when the surface is thumb-print hard. Keep tooling times consistent.
- Hand mix mortar only with written approval by the specifier who should outline procedures.
- Use mortar within 2.5 hours after initial mixing.
- Retemper mortar only when mixing water is lost due to evaporation.
- Whenever possible, do not retemper colored

ASTM C 270 PROPERTY SPECIFICATIONS (laboratory prepared)

Type	Average compressive strength at 28 days, minimum PSI	Water retention, minimum %	Air content, maximum %
N	750 PSI	75	14
O	350 PSI	75	14

CSA A 179 PROPERTY SPECIFICATIONS (laboratory prepared)

Type	Minimum compressive strength at 28 days, MPa	Water retention, minimum %	Air content, maximum %
N	5 MPa	70	18
O	2.5 MPa	70	18

ESTIMATED YIELDS

Joint Thickness:	Coverage on Modular Brick per 80 lb (36.2 kg) Bag		
	3/8 in (9.5 mm)	1/2 in (13 mm)	5/8 in (16 mm)
1/2 in (13 mm) Grind Depth	85 to 95 ft ² (7.9 to 8.8 m ²)	65 to 70 ft ² (6.0 to 6.5 m ²)	52 to 56 ft ² (4.8 to 5.2 m ²)
3/4 in (19 mm) Grind Depth	55 to 65 ft ² (5.1 to 6.0 m ²)	40 to 45 ft ² (3.7 to 4.2 m ²)	33 to 37 ft ² (3.0 to 3.4 m ²)
Joint Thickness:	Coverage on Modular Brick per 3,000 lb (1,360.7 kg) Bag		
	3/8 in (9.5 mm)	1/2 in (13 mm)	5/8 in (16 mm)
1/2 in (13 mm) Grind Depth	3,185 to 3,560 ft ² (296 to 331 m ²)	2,435 to 2,625 ft ² (226 to 244 m ²)	1,950 to 2,100 ft ² (181 to 195 m ²)
3/4 in (19 mm) Grind Depth	2,060 to 2,435 ft ² (191 to 226 m ²)	1,500 to 1,685 ft ² (139 to 156 m ²)	1,235 to 1,385 ft ² (115 to 129 m ²)

Note: 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 due to construction practices. Please contact your local representative for more specific yield information in your area.

Note: Each 80 lb (36.2 kg) bag yields approximately 1,296 cu in (21.2 L) of wet mortar.

SPEC MIX masonry mortars by adding additional water; retempering may affect color consistency.

LIMITATIONS

SPEC MIX Tuckpoint Mortar should be installed in accordance with the provisions of the local building code and applicable ASTM standards. Good workmanship coupled with proper detailing and design assures durable, functional, watertight construction. Follow proper cold-weather and hot-weather masonry procedures at temperatures below 40 °F (4 °C) or above 100 °F (38 °C) respectively.

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 WARRANTY IS ISSUED AND ACCEPTED IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND EXPRESSLY EXCLUDES LIABILITY FOR CONSEQUENTIAL DAMAGES.

TECHNICAL SUPPORT

- CONTACT YOUR LOCAL SPEC MIX® MANUFACTURER
- VISIT WWW.SPECMIX.COM
- CONTACT SPEC MIX®, INC.
PHONE: 888-SPEC MIX FAX: 651-454-5315