



QUICK SET



QUICK SET MORTAR is a factory blend of special cements and additives to provide rapid hardening and early bond strengths. It contains proprietary chemicals for exceptional adhesion and flexibility. When mixed it produces a creamy, easy to spread mortar with high performance standards. Recommended for interior or exterior use, on residential or heavy commercial applications over a variety of substrates.

FEATURES AND BENEFITS:

- ♦ Superior workability
- ♦ Grout in 2-4 hours
- ♦ Fast grab-excellent for wall tiles
- ♦ High bond and impact strengths
- ♦ Exceeds ANSI 118.4 and ANSI 118.11

USES:

On both Commercial and residential, vertical and horizontal, for interior or exterior installations of absorbent, semi-vitreous and vitreous ceramic tiles.

- ♦ Ceramic Tiles
- ♦ Dimensional Stone
- ♦ Glass Mosaics
- ♦ Veneers Quarry Tiles
- ♦ Clay Bodied Tile
- ♦ Porcelain Tiles
- ♦ Brick

FOR INSTALLATION OVER:

Exterior Substrates

- ♦ Fully cured concrete and mortar beds
- ♦ Para board (cementitious backer board)
- ♦ Masonry block

Interior floors (Properly prepared)

- ♦ Vinyl composition and vinyl asbestos tiles
- ♦ Cementitious terrazzo floors
- ♦ Cut-back adhesive residue
- ♦ Unglazed floor tiles and paving bricks

Counter tops or residential floors dry areas only:

- ♦ A.P.A. Rated Group I Exterior grade plywood, CC plugged or better conforming to U.S. Product Standards PS 1-95
- ♦ COFI classified Select or (SEL-TF) Exterior grade plywood conforming to CSA-021 Standard for Douglas Fir.
- ♦ Consult the current TCA Handbook for construction details on expansion and control joints (Detail EJ-171).

SURFACE PREPARATION EXTERIOR:

Surfaces must be dry and free of all grease, oil, dust, paint, and any other surface contaminants. Concrete floors must be fully cured (28 days) and have a minimum of a fine broom finish.

SURFACE PREPARATION INTERIOR:

- ♦ Double wood floor required
- ♦ Maximum joist spacing is 16" on center
- ♦ Sub floor: 5/8" exterior grade plywood
- ♦ Overlays: 5/8" exterior grade plywood with 1/4" gaps between sheets.
- ♦ Maximum variation in plywood surface shall not exceed 1/8" in 10 feet from required plane.



QUICK SET CONTINUED:

SURFACE PREPARATION EXTERIOR CON'T:

- ◆ Use 6 D ring shank nails in plywood at 6" on center along the sheet edge and at 8" on centers throughout the sheet.
- ◆ Overlap all joints of the sub-floor
- ◆ Properly clean to remove any dust and allow to dry before applying Paragon Quick Set Mortar.

MIXING:

- ◆ Use cool, clean water, tools and containers
- ◆ Pour approximately 3 quarts (3.4 L) of water only and gradually add 25 lbs. (11.34 Kg) of Quick Set
- ◆ Use a low speed mixer, approximately 150 RPM.
- ◆ Avoid over mixing, it causes air entrapment.
- ◆ Mix thoroughly to produce a thick but trowelable mortar.
- ◆ Allow mix to slake for 2 minutes, remix and use.
- ◆ Some stiffening may occur before all material is used up. If this happens simple re-stir by hand or machine, do not add any water to mix after slaking.

APPLICATION:

- ◆ Select the proper notched trowel to achieve 80% minimum mortar contact to the back of the tiles. For large tile applications, back buttering with the flat edge of trowel, may be required, to achieve 100% mortar contact and void-free installation.
- ◆ With pressure, apply a lite coat to the substrate with the flat edge of the trowel then apply additional material immediately and trowel out the mortar evenly in one direction using the notched side of the trowel. Do not spread more material than can be covered with tile within 20-25 minutes.
- ◆ Press tile firmly into place using a twisting motion to insure proper tile to mortar contact.

APPLICATION CON'T:

- ◆ Beat tile in using a mallet, allow at least 1/3 of the thickness of the tile to be imbedded. Check pieces periodically to ensure proper mortar contact. If skinning has occurred, remove the skinned mortar and replace with fresh mortar.
- ◆ Make all adjustments after beating in the tiles.
- ◆ Clean all joints and tops of the tile before material hardens.
- ◆ Clean all tools and hands with water before material dries.

NOTE:

All installations must conform to current ANSI A 108.5 and TCA Handbook for Ceramic Tile installations guidelines.

EXPANSION AND CONTROL JOINTS:

- ◆ Provide expansion joints within the tile work where specified or necessary. Always refer to the current Tile Council of America Handbook.
- ◆ Do not fill in any expansion joints with mortar.
- ◆ Cut tiles on both sides along the edges of expansion joints.
- ◆ Protect tile work with metal strips along both edges of structural building expansion joints.
- ◆ Install the specified compressible bead and sealant in all expansion joints.

GROUTING:

- ◆ Do not disturb grout or walk over tiles for at least 2-4 hours depending on temperature and humidity.
- ◆ Grout with the appropriate Paragon Grout.

COVERAGE ESTIMATE:	25 lb. Bag
1/4" x 1/4" x 1/4" Sq. Notch	50-55 Sq Ft
1/4" x 3/8" x 1/4" Sq. Notch	40-45 Sq. Ft

Coverage depends upon the type and condition of the trowel and substrate. Actual coverage may vary.



QUICK SET CONTINUED:

TECHNICAL DATA:

Test	Requirements ANSI A 118.4	Typical Values Quick Set
Adjustability	20 minutes	20-25 minutes
Bucket Life @ 73° F		Approx. 2-3 hours
Shear Bond(psi) Minimum ANSI A 118.4		
Wall Tile		
7 Day Dry	>300 (2.1 Mpa)	320-385 (2.2-2.6 Mpa)
28 Day Dry	>300 (2.1 Mpa)	425-510 (2.9-3.5 Mpa)
Mosaic		
4 hour Dry	>50 (.34 Mpa)	165-195 (1.1-1.3 Mpa)
28 Day	>200 (1.4 Mpa)	325-390 (2.2-2.7 Mpa)
Quarry Tile		
4 Hour	>50 (.34 Mpa)	150-175 (1.0-1.2 Mpa)
28 Day	>150 (1.0 Mpa)	450-505 (3.1-3.5 Mpa)
Shear Bond(psi) Minimum To EGP Plywood ANIS A 188.11		
Quarry Tile		
4 Hour	>50 (.34 Mpa)	75-125 (0.5-0.9 Mpa)
28 Day	>150 (1.0 Mpa)	175-250 (1.2-1.7 Mpa)

LIMITATIONS:

- ◆ **DO NOT** use for installations subject to prolonged water immersion, such as pools jacuzzis, etc.
- ◆ **DO NOT** use for installation of green marble or other moisture sensitive stones.
- ◆ **DO NOT** use over presswood, particle board, chipboard, masonite, or Lauan.
- ◆ **DO NOT** use if temperature is below 50° F or above 100° F
- ◆ **DO NOT** use for vertical exterior installation in freeze or thaw climates.

PACKAGING: 25 lb./ 11.34 kg

COLOR: White or Grey

TECHNICAL SERVICE:

For application procedures or surface conditions not specified in literature contact:

Paragon Building Products Inc.
2305 Roof Tile Rd. Casa Grande, AZ 85222
Phone: (520) 836-6454 Fax: (520) 421-1172

CAUTION:

Contains Portland Cement. Cement causes skin irritations, and may cause allergic reactions. Avoid eye contact or prolonged contact with skin. Use of a dust respirator, safety goggles, and rubber gloves are recommended. Wash self thoroughly after any contact. In case of eye contact, flush immediately with plenty of water for at least 15 minutes. Consult a physician immediately. Do not take internally. Contains free silica, don't breath in dust. Prolonged exposure to dust may cause delayed lung disease (silicosis). Always wear NIOSH approved mask for silica dust.

Avoid hazards by following all precautions found in the MSDS (Material Safety Data Sheet), product labels and product information sheets. Please read this information prior to using the product.

LIMITED WARRANTY:

Paragon Building Products, Inc. (Paragon) warrants that this product and the materials used therein meet or exceed the applicable ANSI standards listed and in force at the time of manufacture. Paragon will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself.



QUICK SET CONTINUED:

LIMITED WARRANTY CON'T:

This warranty shall apply only if the product is used in strict accordance to applicable specifications and instructions provided by Paragon for its use, and Paragon shall not be liable otherwise. Replacement of any defective product or, at Paragons option, refund of the purchase of any defective product shall be the buyer's sole remedy under this warranty, and Paragon shall in no event be liable for any damages in excess of the purchase price of the defective product.

PARAGON SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES.

This Warranty constitutes the sole warranty given by Paragon in connection with this product, and Paragon 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. No modifications of this warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Paragon. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from the date it was, or reasonably should have been discovered.