

MARBLE SET

Medium Bed Latex-Portland Cement Mortar

Description:

Marble set is a high strength, medium bed, latex-Portland cement based mortar specially formulated for installations of floor and wall pre-cut marble tiles, large ceramic tiles and dimensional stone for both interior and exterior applications.

Uses:

Marble Set may be used to set vitreous and non-vitreous ceramic tiles for service requirements of residential and light commercial use. Applications include vertical and horizontal over properly prepared concrete, mortar beds, cementitious backer board and exterior grade plywood (interior use only).

Limitations:

Marble Set must not be used directly over cement asbestos board, masonite, particle board, metal, glass, plastic or painted surfaces. Some green and red marbles may warp when installed with dry set mortars containing water. Use SGM Ultra 100, 100% Solid epoxy mortar.

Preparations:

Floors must be free of moisture, wax, oil, dust, or paint over spray. Concrete and cement subfloors must be cured for twenty-eight (28) days. Floors must be true and level before installation. Use SGM Self Leveling underlayment where required. Typical Plywood and Wooden Floors shall consist of joists spaced not over 16" on center and a sub-floor of 5/8" or thicker plywood, or 1" nominal boards. All floors shall be engineered to a maximum deflection under normal or full load, not to exceed 1/360 of span. A 1/4" gap shall be left around all vertical surfaces and between sheets of wood to allow for expansion.

Mixing:

Add Marble Set to approximately 1 1/2 gallons of clean potable water to a 50 lb. bag. Mix thoroughly to a smooth trowable past like mix. When using a mechanical mixer, do not exceed 150 rpm, so not to entrain air in the mix. Do not add additional water after mortar slakes. Excessive water in mixing will reduce the performance of Marble Set. For hot and dry conditions dampen substrate with water to promote longer open time and better adhesion, leaving no puddles. Wood surfaces must not be dampened. Do not reuse mortar after initial set in bucket. Stir mortar occasionally during use.

Application:

Apply the mortar liberally with the flat side of trowel. Use sufficient pressure to work mortar in good contact, comb with notched edge of trowel to leave uniform edges. Place tiles while surface is wet and tacky. Spread only as much mortar as can be covered in 15-20 minutes or before surface dries. Place tile with a twisting motion and beat lightly, in the mortar. Mortar that has formed skin should be retrowel before applying tile. Use proper sized notched trowel (see diagram) to insure approximately 3/32" to 1/4" mortar bed thickness after beat in. Some irregular tiles require back buttering. Follow ANSI 108.5 installation specifications.

Note: Do not tile over expansion, cold or control joints. Follow TCA Handbook method EJ 171 for detailed specifications.

Curing:

Marble Set will obtain a minimum cure within 12-24 hours, depending on atmospheric conditions. Grouting can be done 48 hours after set.

Coverage:

Setting requirements (sq. ft.)

Trowel size	1/4" x 1/4"	1/4" x 3/8"	1/2" x 1/2"
50 lb. bag	75	65	40

Shelf Life:

Up to one (1) year from date of manufacture in unopened and properly stored container.

Applicable Standards:

Meets or exceeds ANSI A118.4 requirements for latex Portland cement mortar. Follow ANSI A108.5 for installation.

Technical Data:

Compressive Strength	> 3,000 psi
Flexural Strength	> 900
Tensile Strength	> 450
Shore D Hardness	> 65

Caution:

Warning - Eye Irritant: Contains Portland Cement. Product is alkaline on contact with water. Use paddle for mixing to avoid splashing into eyes or contact with skin. During mixing or application, avoid contact with eyes. In case of such contact, flood eyes repeatedly with water and call a physician. Wash thoroughly after handling and smoking or eating. Do not take internally.

Limited Warranty:

S.G.M., Inc., will replace any material proved defective with the maximum shelf life on unused material of up to one (1) year. If our products are not found to conform to our high standards, notify S.G.M., Inc., immediately in writing. There is no other obligation expressed or implied, and we assume no liabilities for damages of any kind. Suitability of the product for an intended use shall be solely up to the user.

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