



Fast Set Pro M75

POLYMER-MODIFIED PORTLAND CEMENT MORTAR



PACKAGING

25 lb (11.4 kg) bags

STORAGE

Store in a cool, dry location at a temperature between 40°F (4°C) and 90°F (32°C). Do not store in direct contact with the ground or concrete. Store out of direct sunlight and protect from weather and other damage

DRYING & CURING

Allow freshly applied material to dry at least 24 hours before grouting or light foot traffic. Drying time may vary due to porosity of substrate and tile, climate, job conditions and should not take more than 24 hour at an ambient and surface temperature of 70°F (21°C) and 55% humidity. When used to install tile in an area that will be continually wet (pools, fountains) allow complete installation to dry a minimum of 14 days before exposure to water. Material is fully cured in 28 days.

GROUTING

Grouting can be done within two hours of install.

MATERIAL CALCULATOR

Visit the Siena web site at SienaProducts.com and click on the "Material Calculator" tab for recommended products and to calculate the amount of materials needed for each project. Always follow all manufacturers' recommendations and warranty information prior to any tile or stone installation.



Siena Fast Set Pro M75 is a fast setting polymer-modified mortar manufactured with a mixture of portland cement, graded aggregates and other proprietary additives to produce a high quality mortar with exceptional bond strength and coverage than standard mortars. Siena Fast Set Pro M75 enables the install of tile and grout to be done within two hours, and is ready for foot traffic in four hours. Siena Fast Set Pro M75 is available in either white or gray color and complies with the requirements of ANSI A118.4 and A118.11.

FEATURES	BENEFITS
Walls & Floors	Ready to Grout in 2 Hours
Interior & Exterior	Foot Traffic in 4 hours
Residential & Commercial	Meets ANSI A118.1 & A118.11

BASIC USES

Siena Fast Set Pro M75 is used as a polymer-modified mortar for interior and exterior application of most tiles and stones. Siena Fast Set Pro M75 can be used on floors and walls up to 3/16" thick in residential and commercial projects. Use Siena Fast Set Pro M75 any time tile and grout installs need to be done within two hours and open to traffic in four hours.

RECOMMENDED SUBSTRATES

Properly prepared substrates includes: Cured concrete (28 days), portland cement mortar beds, brown coat, backer boards (per manufacturer's specifications), gypsum boards (dry interior walls only), masonry block, brick and porous stone.

SURFACE PREPARATION

All surfaces to receive application must be structurally sound, clean and free of debris, dirt, dust, efflorescence, wax, grease, oils, curing agents, cleaning solutions, sealers, adhesive residues or gypsum-based underlayments, or anything that would hinder proper bond. Smooth or painted surfaces can be prepared by mechanical means such as sanding, scraping or using Siena Gripping Primer. Dampen surface prior to application, but do not allow water to puddle. Substrate temperature must be within 45°F (7.2°C) and 85°F (29.4°C). For complete installation methods see the TCNA (Tile Council of North America) Handbook and ANSI A108.5.

MIXING

Mix by hand or use a mixer of less than 300 rpm to avoid too much entrapped air. Add gradually one 25lb bag of Siena Fast Set Pro M75 to approximately 2 3/4 quarts (2.6L) of potable water while mixing. Water or admix must be cool in temperature, clean and clear. Do Not use hot or warm water or admix. Mix material thoroughly to a smooth consistency and let it slake (stop mixing) for 10 minutes and then break the set by remixing. Do Not add additional water, admix or powder after mixing period. During application, occasionally stir the mixture to help maintain workability.



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CEMENTITIOUS SUBSTRATES

Cementitious substrates can be cleaned by mechanical means such as sanding, scraping, scraping or chipping. Smooth painted or waterproof cementitious surfaces can be prepared by mechanical means such as sandblasting, scraping or using Siena Gripping Primer. Dampen the surface prior to the application but do not allow water to puddle. Substrate deflection not to exceed L/360. For complete installation methods see the TCNA (Tile Council of North America) Handbook and ANSI A108.5.

NON-CEMENTITIOUS SUBSTRATES

For walls, apply a 3/8" to 3/4" thick layer of wire reinforced mortar bed, and for floors apply a minimum of 1 1/4" wire reinforced mortar bed. Let it set for at least 20 hours and then apply the mortar.

PLYWOOD SUBSTRATES

Use only over exterior grade plywood. Wooden flooring should not have a deflection exceeding L/360 of span in either dead or live loads. Securing should be done with screw-type nails and glue. A 3/16" (4.8mm) gap for expansion should be left about the plywood sheets and surrounding materials. These gaps should be left empty after the installation.

APPLICATION

The size of the working area should be such to be covered with tiles within 10 - 15 minutes. Using the flat side of the notch trowel apply a tight, thin layer of mortar over the substrate. Then add more mortar and comb the material in one direction using the appropriate notch size to achieve 100% contact to the back of the tiles. Set the tiles over the mortar, applying firm pressure to flatten the ridges and assure good contact. Periodically check already placed tiles to verify that there is sufficient mortar transfer with the back of the tile. Back-butter the tiles if required. Align tiles immediately after their placement and clean any excess material with a damp sponge. Tiles that have been setting for more than 5 - 10 minutes should not be readjusted.

LIMITATIONS

DO NOT apply Siena Fast Set Pro M75 directly over wood or wood products, gypsum mortar beds, asphalt sheeting, vinyl covered wall board, Masonite, cement asbestos board, metal, glass, plastic or any dimensionally unstable substrate. DO NOT apply at temperatures below 45°F (7.2°C) or above 85°F (29.4°C). When hot, dry, or windy conditions exist, protection must be provided. The ambient and surface temperature must maintain the above requirements until fully dried. Material that is allowed to freeze may suffer irreparable damage. Protect all work from inclement weather with an approved protective system until fully dried (See Drying & Curing). DO NOT add any other materials to the mixture of the product without written approval from Siena, Omega Products International. DO NOT deviate in the mixing or application procedures contained in this, or any other Siena Product data sheets without written approval from Siena or Omega Products International. DO NOT use with green or red marbles as they may react with the mortar, warp and detach. For these moisture sensitive materials use Siena Epoxy Mortar & Grout.

EXPANSION & CONTROL JOINTS

Never apply Siena Fast Set Pro M75 over any expansion or control joint. For more information regarding this types of joints see TCNA (Tile Council of North America) Handbook and EJ-171.

TECHNICAL DATA

Open Time at 73°F (23°C)	20 Minutes
Adjustability at 73°F (23°C)	20 Minutes
Bucket Life at 73°F (23°C)	30 Minutes
Compressive Strength ASTM C-109	>3,600 psi
Shear Bond ANSI A118.1	
Glazed Wall Tile	
2 Hours	>290 psi
4 Hours	>330 psi
24 Hours	>600 psi
Porcelain Tile	
2 Hours	>300 psi
4 Hours	>470 psi
24 Hours	>580 psi
Quarry Tile to Plywood	
2 Hours	>100 psi
4 Hours	>225 psi
24 Hours	>340 psi

COVERAGE

Square Notch Trowel Coverage	
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm)	48 ft ² (4.4 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm)	37 ft ² (3.4 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm)	24 ft ² (2.2 m ²)

Note: Values listed above are typical results for tests indicated and should not be considered specifications. Actual product performance will depend on job conditions, temperature, humidity and application methods.

TECHNICAL ASSISTANCE

Technical information is available on our web site at: SienaProducts.com, by calling Omega Products International at: 800.600.6634, or by email at: info@omega-products.com

CLEANING

Cleaning may be accomplished with water immediately after use.

SAFETY

Avoid contact with eyes or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush immediately with running water for at least 15 minutes. Consult a physician immediately. Do not take internally. Be sure to provide adequate ventilation in enclosed areas. Use of an approved respirator is recommended.

WARNING

Omega Products International, Inc., as a blender of processed material in the State of California, is required by Proposition 65 to warn that one or more of the components contained in this product, could contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. The State of California (Proposition 65) requires this warning in the absence of definitive testing to prove that the defined risks do not exist. We believe this product complies with all other applicable state and federal laws and regulations governing manufacturing, distribution and intended use. User is solely responsible for the legal disposal of this container and its contents.

KEEP OUT OF REACH OF CHILDREN

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