



Admix AX300

ADMIXTURE

PACKAGING

1 gallon (3.78 L) Jug
2.5 gallon (9.4 L) Jug
5 gallon (18.9 L) Pail

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.

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 Admix AX300 is an acrylic resin admixture manufactured with high quality polymers and proprietary additives to produce a premium admixture for non-modified mortars. Siena Admix AX300 promotes increased flexibility, adhesion and higher bond strength. Siena Admix AX300 can be used to enhance the performance of non-modified mortars such as: ThinSet 510, Premium Set 550, Fast Set 595, Type S, SVM, and Deck Mud. Siena Admix AX300 complies with ANSI A118.4 and A118.6.

FEATURES	BENEFITS
Acrylic Resin	Use with Non-Modified Mortars
Longer Open Time	Greater Bond Strength
ANSI A118.4 & A118.6	Increased Flexibility & Adhesion

BASIC USES

Siena Admix AX300 is specially formulated to be used in combination with non-modified mortars to increase water retention, impart greater flexibility, improve bond strength and surface appearance. When Siena Admix AX300 is used with non-modified mortars, it improves bond strength, density, flexibility and adhesion. Siena Admix AX300 can be used in non-modified mortars that are for floors and walls in residential and commercial projects.

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, exterior grade plywood, well bonded existing tile and stone properly prepared with Siena Gripping Primer.

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.



Admix AX300

ADMIXTURE

CEMENTITIOUS SUBSTRATES

Cementitious substrates can be cleaned by mechanical means such as sanding, 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.

TILE SUBSTRATES

Use Siena Gripping Primer over the existing tile and allow to dry (20-60 mins.) before applying mortar. Existing tile must be sound, well bonded, clean and free of anything that would hinder proper bond or prevent adhesion. For complete installation methods see the TCNA (Tile Council of North America) Handbook and ANSI A108.5.

PLYWOOD SUBSTRATES

Use only over exterior grade plywood. Wooden flooring should not have a deflection exceeding 1/360 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.

EXPANSION & CONTROL JOINTS

Never apply mortar over any expansion or control joint. For more information see TCNA (Tile Council of North America) Handbook and EJ-171.

MIXING

Siena Admix AX300 is to be used instead of the water when mixing. Follow the appropriate instructions on the non-modified mortar data sheets. Use a mixer of less than 300 rpm to avoid entrapping too much air. For best results, add powder to liquid.

APPLICATION

When using Admix AX300, please follow the Application instructions as indicated on the non-modified mortar data sheets.

LIMITATIONS

DO NOT dilute Siena Admix AX300. Avoid over mixing which causes air entrapment and weakens its strength. DO NOT apply Siena Admix AX300 mixture over 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.

TECHNICAL DATA

Compressive Strength ASTM C-109	
7 Days	>2000 psi
28 Days	>3000 psi
Shear Bond ANSI A118.1	
Glazed Wall Tile	
7 Days	>350 psi
28 Days	>450 psi
Porcelain Tile	
7 Days	>250 psi
28 Days	>350 psi
Quarry Tile to Plywood	
7 Days	>200 psi
28 Days	>250 psi

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, 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

Disclaimer

Omega Products International [Manufacturer] MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE PRODUCT SOLD HEREIN. The recommendations, suggestions, statements and technical data are based on the best knowledge available to Manufacturer and are given for informational purposes ONLY and without any responsibility for their use. It is expressly understood and agreed, as a condition of the use of this product, that the buyer's sole and exclusive remedy for any claimed defective product against Manufacturer shall be the replacement of products actually proven to be defective. Handling and use of the products are beyond the

control of Manufacturer; therefore, no warranty is made, expressed or implied, as to the results obtained from the use of the product or against any claims for infringement of patents resulting from use of the product. Under no circumstance shall Manufacturer be liable for incidental or consequential damages arising out of the use or the improper application of the product. Before applying the product, the user shall determine the suitability of the product for his or her independent use, assuming all risks and liability whatsoever in connection therewith. This writing constitutes a complete and exclusive statement of the understanding between Manufacturer and Buyer.