Admix AX300

**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

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**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

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 Gapping 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 Gapping 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 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 abut 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 entrainment 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         | 7 Days   | >350 psi            |
| Glazed Wall Tile               | 28 Days  | >450 psi            |
| Porcelain Tile                 | 7 Days   | >250 psi            |
| Quarry Tile to Plywood         | 28 Days  | >350 psi            |
|                               | 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

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