



Admix AX100

TILE & STONE INSTALLATION PRODUCTS

DESCRIPTION

Siena Admix AX100 is an acrylic resin admixture manufactured with high quality polymers and proprietary additives to produce a standard admixture for Siena Grouts and dry-set mortars. Siena Admix AX100 promotes increased flexibility, adhesion and higher bond strength when used with grouts and mortars. Siena Admix AX100 can be used to enhance the performance of non-modified mortars, such as Siena ThinSet 510 & Premium Set 550. Siena Admix AX100 complies with ANSI A118.4 and A118.6.

BASIC USES

Siena Admix AX100 is specially formulated to be used in combination with Siena Grouts to increase water retention, impart greater flexibility, improve bond strength and surface appearance. When Siena Admix AX100 is used with Siena ThinSets, it improves bond strength, density, flexibility and adhesion. Siena Admix AX100 can be used for floor, wall, and up to 3/16" thick mortar bed applications in residential and commercial projects.

STORAGE

1. Store containers in a cool, dry location
2. Store at a temperature between 40°F (4°C) and 90°F (32°C)
3. Store out of direct sunlight
4. Protect containers from weather and other damage

RECOMMENDED SUBSTRATES

Suitable substrates, when properly prepared, include: Masonry block, fully cured concrete (28+ days), gypsum board (only on dry interior walls), cement backer units (per manufacturers' specifications), fully cured portland cement mortar beds (28+ days), brick, properly prepared existing tile.

SURFACE PREPARATION

All surfaces to receive application must be solid, stable, structurally sound, dry, clean and free of debris, dirt and dust, efflorescence, grease, oils, curing agents and cleaning solutions that would hinder proper bond. Ensure that all surfaces are free of any coatings, sealers, adhesive residues or gypsum-based underlayments. Smooth or painted cementitious surfaces can be prepared by mechanical means such as sandblasting or scraping. Dampen surface prior to application, but do not allow water to puddle. For more complete installation procedures see the TCNA (Tile Council of North America) Handbook & ANSI A108.5.

CEMENTITIOUS SUBSTRATES

Cementitious substrates can be cleaned by mechanical means such as sanding, scraping or chipping. Smooth or painted cementitious surfaces can be prepared by mechanical means such as sandblasting, scraping or chipping. Dampen the surface prior to the application but do not allow water to puddle. Substrate deflection should not exceed 1/360. See "Surface Preparation" section above.

NON-CEMENTITIOUS SUBSTRATES

Use a cleavage membrane on surfaces with bonding problems, such as plywood or painted surfaces. For walls, apply a 3/8" to 3/4" thick layer of reinforced mortar bed, and for floors apply a minimum of 1 1/4" reinforced mortar bed. Let it set for at least 20 hours and then apply the dry-set modified mortar.

TILE SUBSTRATES

Siena Acrylic Admix AX100 or AX300 must be used with Siena Premium Set 550 to ensure a good bond. Existing tile must be sound, well bonded, clean and free of any deleterious substance that may prevent adhesion. Smooth surfaces may require roughening to promote bonding.

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 AX100 is to be used instead of the water needed when mixing with the Siena Grouts, ThinSet 510 and Siena Premium Set 550. For mixing, follow the appropriate instructions of the previous mentioned grout and 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

The size of the working area should be such to be covered with tiles within 15 to 20 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 towel. Tiles that have been setting for more than 20 minutes cannot be readjusted.

MATERIAL CALCULATOR

Visit the Siena web site at www.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.

CURING

Cure the freshly applied material for at least 24 hrs. Curing time may vary due to porosity of substrate, ambient temperatures and humidity.

GROUTING

Grouting should be done 24-48 hours after tile installation.

PACKAGING

This product is packaged in 1 gallon (3.78 L) and 5 gallon (18.9 L) pails.

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TECHNICAL DATA

Compressive Strength ASTM C-109	
7 Days	>2000 psi
28 Days	>3000 psi
Shear Bond ANSI A118.1	
Non-Vitreous Tile	
7 Days	>350 psi
28 Days	>450 psi
Vitreous (Paver) Tile	
7 Days	>250 psi
28 Days	>350 psi

LIMITATIONS

DO NOT dilute Siena Admix AX100
 DO NOT over-mix to avoid entrapping air into the grout and weaken its strength.
 DO NOT apply Siena Admix AX100 directly over luan plywood, improperly cured or wet plywood, particle board, stripwood, 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 40°F (4°C) or above 90°F (32°C). Avoid freezing until the material is dry. When used to install tile in an area that will be continually wet (e.g. swimming pools, gang showers, etc.) it is recommended that the complete installation shall be cured a minimum of 14 days and allowed to thoroughly dry before exposure to water.

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/or its contents.

KEEP OUT OF REACH OF CHILDREN*DISCLAIMER*

Omega Products International, Inc. [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/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.

CLAIMS

Any Claimant shall notify Manufacturer immediately in writing of any alleged defect in the material. Claimant will provide Manufacturer with a reasonable and exclusive opportunity to investigate and test for the alleged defect. For any claim that is not valid Claimant agrees to pay Omega's reasonable charges, including travel and labor associated with investigation of such claim.

TECHNICAL ASSISTANCE

Technical assistance and information is available by calling Omega Products International, Inc. at (800) 600-6634 or FAX (951) 520-2594 or by e-mail at "info@omega-products.com".

WARRANTY

The following is made in lieu of all expressed and implied rights, warranties and conditions, statutory or otherwise. The Manufacturer's only obligation shall be to replace such quantity of products proven to be defective within one year following the date of manufacture, provided that the alleged defective product is returned prepaid to the Manufacturer's plant and is accompanied with proof of purchase and batch number.

Manufactured by

*The Professional's Choice*

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