

Textstōn Marmorino™ is a modern version of ancient polished stucco that can be used to create spectacular interior and exterior finishes. A highly versatile finish, Marmorino provides a range of textures including smooth, distressed or stone-like. Its white base enables it to be tinted to brilliant hues.

“Marmorino” means “little marble” and gets its name from the powdered marble that gives the finish its unique consistency and allows for the creation of a seemingly endless range of textures and aesthetic effects. It also contains slaked lime for cohesion and improved workability and moisture resistance, and a blend of polymers for enhanced adhesion and durability. Slaked lime finishes age well, gaining in beauty and strength with time.

Basic Use: Use Marmorino as a plaster finish coat for walls, ceilings, soffits and special decorative features. It is recommended for both interior and exterior environments and is compatible with most plaster base coats as well as gypsum board, concrete, masonry and other substrates.

Composition: Marmorino comes in a white, tintable, premixed paste. It contains:

Slaked Lime: Slaked lime is the traditional material used in classical Venetian plasters and Old-World stuccos.

Marmorino uses mature lime putty that has been slaked for a minimum of twelve months in underground pits and processed until it is a pure, creamy, highly workable mature lime putty. Slaked lime imparts brilliance, hardness, workability, moisture resistance, durability and sheen to Marmorino.

Marble Dust: White marble flour gives body and substance to Marmorino. Together with the lime, Marmorino contains real stone to enable you to create authentic looking stone finishes.

Silica Sand: The sand is round, dustless, free from salts and specially graded to optimize Marmorino’s density and strength and to contribute to the product's aesthetic appeal.

Polymers: Acrylic polymers (less than 1.5% - still considered organic mineral material) improve the product's adhesion, cohesion and flexural strength and contribute to improve resistance to cracking.

Mildew and Fungus: Slaked lime PH enhances the intrinsic mildew and mold resistance of slaked lime.

Colors: Marmorino is inventoried in a tintable base that can be custom colored to meet design requirements. Pick a color from any leading paint manufacturer, or send us a swatch of the fabric, tile or stone you are using and we will match it. Tint with high-quality, water-based, fade-resistant, paint-grade colorants. Colorants can be factory-mixed or added at jobsite.

Sizes and Coverage: Marmorino covers approximately for **25kg yield = 175-250 ft² per 2-1/2 coats** depending upon thickness, texture applied and substrate. It is available in recyclable plastic buckets in the following sizes:

5 kg (11 lbs., approximately 1 gallon).

25 kg (55 lbs., approximately 5 gallons).

TECHNICAL DATA

SYSTEM PERFORMANCE REQUIREMENTS (FOR AGED SLAKED LIME PLASTER SYSTEMS)

- A. *Composition: White, premixed paste containing finely ground marble, slaked lime (mature lime putty) which has been aged twelve months minimum, acrylic polymers, rheological additives, and Mildewicidal and fungicidal admixtures.*
- B. *Surface Burning: Class A; surface burning characteristics not exceeding Flame Spread = 0 and Smoke Density = 0 when tested according to ASTM E84.*
- C. *Pencil Hardness: Gouge 6H /Scratch H when tested in accordance with ASTM- 3363*
- D. *Scrub Resistance: Minimum of 10000 cycles using 10grams of scrubbing medium and 5 grams of water ASTM D2486-06.*
- E. *Chemical exposure: ASTM D-1308-02 pass (WD40- slight discoloration, Phosphoric Acid Solution- discoloration).*

INSTALLATION

Substrates: Apply Marmorino over substrates that are clean, cohesive, free of contamination and as follows:

Plaster Brown Coat: Apply brown coat in accordance with ASTM C926 - *Application of Portland Cement-Based Plaster* and Portland Cement Association's *Portland Cement Plaster (Stucco) Manual*. Pay particular attention to moist curing requirements to minimize shrinkage cracking; cure at least seven days (21 days recommended) prior to application of finish coating. The brown coat need to resave a level coat (see Leveling) to produce substrate without cavities in order to control the amount of the lime plaster. For additional resistance to cracking, a fiber mesh can be imbedded into the level coat.

EIFS Base Coat: Comply with exterior insulation and finish system manufacturer's instructions. Finish with a fine sand-texture finish (To create a mechanical key bond)

Gypsum Drywall: Drywall shall be taped and then sanded or floated. Provide Level Four or better surface in accordance with Gypsum Association's GA-214 - *Recommended Levels of Gypsum Board Finish* to assure that substrate defects are not visible through plaster.

Concrete and Masonry: Allow concrete and mortar to cure 28 days prior to finishing. Concrete should be free of form release agents that could interfere with adhesion of Marmorino. Sand glossy surfaces. Mortar joints should be flush.

Trim and Fasteners: At exterior and wet areas, use corrosion resistant materials for expansion and control joints, corner beads, flashings and other trim and fasteners.

Existing Substrates: Remove deteriorated substrates and patch in acceptable manner. Oily or glossy surfaces and oil-based paints should be lightly sanded. Wash with trisodium phosphate diluted as indicated on product label. Rinse, neutralize and wipe dry.

Leveling: If required, fill depressions with leveling coat. Leveling coat can be EIFS cement base coat such as BASF Senergy, Sto, Dryvit or Parex can be used. Or factory-bagged plaster mix mixed with a liquid acrylic admixture such as Textstön™ 7350 diluted 1:4 with water, or can be a blend of one part Portland cement with 2 to 2 ½ parts washed and bagged sand and mixed with Textstön™ 7350 admixture diluted at rate of 1:4 with water. **Basecoats surfaces should be sponge floated to a fine sand texture creating mechanical keys, and primed with 2 coats of TexPrep™ penetrating sealer Primer.**

For exterior and shower stall application: Use Textstön **PALLADINO**, a **nano-structured Mature Lime Putty plaster** which has an excellent filling power. Apply one coat, let set and slightly spray water and smooth only one time and let dry. Apply the Marmorino coats on the same day but not later than the next day, so the Antico and the Palladino crystalize together. Follow step by step application process to produce intended specified finishes.

Preparatory Work:

Masking: Mask and protect adjacent surfaces away from the surface to leave space for the plaster thickness.

Prime: Primer is required over gypsum board, MDF wood and other substrates with uneven suction absorption, and to improve adhesion to smooth substrates, use of type compatible with substrate. Use Textstön **TexPrep Primer™**: A translucent-white, tintable, liquid- penetrating primer-sealer/undercoat. It is alkali-resistant and specifically formulated for Textstön plasters. TexPrep penetrating Primer sealer is an acrylic, water-based interior and exterior penetrating primer sealer that equalizes the suction of the substrate. It features hollow ceramic spheres that create suction and a mechanical bond. Use of this product is a requirement of the Textstön warranty for most installations.

Dampen Surface: Immediately before applying Marmorino, dampen brown coat, concrete, masonry and other porous and absorbent substrates with water. Do not dampen primed surfaces.

Mixing: Mix Marmorino to assure colorants are uniformly dispersed. If necessary, dilute with small amount (two percent maximum by weight) of clean, potable water. Mix with clean tools and protect against entry of dust and debris into container.

General:

Apply finish in continuous application, free from cold joints, scaffold lines and other deficiencies detrimental to appearance and performance. Continuously apply in one general direction without allowing coating to dry at edges; keep a wet edge. If full width of wall cannot be covered at one time, terminate applications at natural divisions of surface such as control joints or corners. Do not bridge expansion or control joints.

Use stainless steel and plastic burnishing trowels of types required to produce intended results. Textstön offers a full complement of specialty plaster tools.

Many creative finishes can be produced with Marmorino. Consider the following a starting point for your imagination.

Texture: Open Pores, Smooth, Classic Smooth, Blended multi Colors, Stencils, Color Wash, Veins, Strea

Custom Finishes: Rather than trying to describe the specific technique to be used to achieve a custom finish, it is usually more convenient to specify an approved sample board or mock-up as a standard to be matched for a project. Contact Textstön for help developing custom finishes.

Wax: Wax provides sheen and enhances polished look of Marmorino. Use **SuperWax™**: A clear, water-based acrylic top-coat blended with paraffin wax. SuperWax is most easily applied with a trowel in tight short strokes. **It should be applied over dry, absorbent surfaces only.** or **SatinWax™**: A clear, water-based, acrylic/latex top-coat that can be applied over a wide variety of surfaces sealed or unsealed. This glossy topcoat wax is applied with a trowel or sponge. It produces a uniform, high sheen and acts as a protective agent over any smooth plaster. **CeraWax™**: (Interior Use Only) an olive oil soap and natural bees wax emulsion. This product has a composition similar to the historical wax of the renaissance. This special water-based, protective, high sheen topcoat is perfect for all lime-based mineral finishes. It is extremely easy to apply. **FlatWax™**: (Interior Use Only) A clear satin-sheen top-coat made from acrylics. It can be used over any finish but is ideally used as a base prior to glazing. Flat Wax can be polished to a higher gloss and can be tinted to a wide range of colors. The substrate surface should always be dampened to eliminate suction prior to application to increase workability.

Allow Marmorino to dry 24 hours before waxing. Apply thin layer of wax and work into surface. Remove excess wax and buff surface to uniform sheen. Follow manufacturer's instructions.

Sealer: Sealer provides added protection for exterior locations and wet interior locations that are not waxed. Periodic re-application is suggested according to building maintenance requirements. Use a Textōn sealer: high-quality, non-yellowing, water-based, water-repellent sealer. The following products are compatible with Antico and are available through Textōn; consult sealer manufacturer or conduct tests before using other products: Allow Antico to dry 48 to 72 hours before applying sealer. Apply according to sealer manufacturer's instructions. Protect against overspray.

Penetrating Sealer: TexProtect SDS 15 (Surface Defense Sealer). Using a gardener sprayer or a paint roller, apply a coat of SDS 15 generously over a *dry* surface, follow with a dry low nap paint roller, forcing the sealer in to the surface.

Immediately wipe off all excess, don't let residues dry on the surface. Let set for 1-1 ½ hours, and repeat procedure for second coat. For additional protection repeat process for additional coats. For exterior application apply 4 coats.

Top Coat Sealer: MPS 29 for walls top coat, or Texfloor sealer low sheen for walls or floors top coat.

Clean-Up: Remove masking. Remove plaster splatters using methods that will not damage surfaces.

Environment application condition Precautions:

Application: During the application phase, provide well-ventilated work areas, the environmental temperature must be between +45°F and + 95°F. The relative humidity must be lower than 85% also during the 24 hours following the application.

For exterior applications, protect from any rainfall for 2 days following the installation.

Delivery, Storage and Handling: Protect materials from direct sun. Deliver in manufacturer's unopened packages and store in dark and dry place at between 45 and 95 degrees F.

Safety Guidelines: The lime makes this product caustic. Avoid prolonged contact with skin and eyes. If contact occurs, rinse thoroughly with water. Use OSHA compliant eye protection. Wear a respirator when sanding or scraping. Keep away from children. See MSDS and product label.

Disposal: The product must be disposed in agreement with current and local regulations. Empty containers are to be sent to recycling plants.

Appearance Tolerances: Appearance may vary depending upon application and field conditions. Color cards and product samples represent approximate colors and textures only. Final approval should be based on contractor-prepared samples or mock-ups showing actual materials and workmanship proposed for use. Like all exposed plaster finishes, mottling and variations in hue and appearance are normal and a part of lime plaster's aesthetic appeal.

AVAILABILITY AND COST

Availability: Textōn products are available from distributors throughout North America. Contact Textōn or visit the website for referrals to local sources.

Cost: Contact distributors for pricing information.

WARRANTY

Textōn expressly warrants its products to be fit for the ordinary purpose for which they are intended for a period of five years from date of installation when applied and used in accordance with manufacturer's instructions within six months of purchase.

Textōn's liability under this warranty is limited to the replacement of products found to be defective or to the refund of purchase price to original purchaser. Textōn reserves the right to require proof of purchase and to inspect installations prior to resolving claims made under this warranty. This limited warranty is exclusive and in lieu of all other warranties either written, oral or implied, and expressly excludes liability for consequential damages.

MAINTENANCE

Cleaning: Remove dust and loose dirt, then, wipe with a clean damp cloth. When necessary, surfaces may be cleaned with mild detergents or proprietary cleaning agents together with gentle scrubbing or low-pressure water washing. Mineral spirits or acetone can also be used (if there is no acrylic finish on top); observe proper safety procedures when using solvents. Clean vertical surfaces from the bottom up. Thoroughly rinse exterior surfaces with clean water after cleaning. At interior surfaces, wipe off cleaning agents with a damp rag followed, if necessary, by a dry rag. Efflorescence, a white powdery deposit that can form on building surfaces, should be removed as soon as practical using water and a soft bristle brush or nylon scouring pad. Test cleaning products and techniques in an inconspicuous location before proceeding and comply with manufacturer's instructions.

Inspection: As with any building material, finishes should be periodically examined to assure that surfaces and substrates are in good condition. Examine joints, sealants, flashings, trim and other locations that could permit water to enter the building. Conditions that could produce stains – such as water run-off from roofs or ledges washing down face of a wall – should be corrected. Since Marmorino is a finish coat, cracks that appear in their surface are probably due to cracking within the substrates to which they are applied; extensive cracking could indicate excessive building settlement or movement and should be examined by a qualified building professional.

Blemishes: In many instances, scratches, scuff marks and stains that do not respond to ordinary cleaning techniques may be removed by lightly sanding the surface. The success of this depends on the texture of the finish, and tests should be performed in inconspicuous locations before proceeding. Re-apply wax or sealer, if required, to sanded areas.

Repairs: Most damage to Marmorino surfaces can be repaired by experienced applicators. Extensive damages may require replacement of an entire section of finished surface.

Graffiti: Consult a firm specializing in graffiti removal and protection.

TECHNICAL SERVICES

Design: Textstōn and many of its distributors are ready to assist designers with color matching and custom color development services; color chips and sample boards are available. Our master craftsmen are also available to help develop special textures and aesthetic effects and to provide assistance with specification development.

Training: The ultimate quality and beauty of Textstōn finishes depend upon the skill of the installers who apply them. While Marmorino is simple enough that any skilled finish contractor can learn to apply it, we also conduct rigorous training programs that enable us to certify master craftsmen. Classes can be conducted in the Textstōn studio, at a distributor's or contractor's location, or on a job site.

Installation: When specified for large or complex projects, Textstōn can provide master craftsmen to assist local applicator crews.

ADDITIONAL INFORMATION: Material Safety Data Sheet, Contractor Application Tips, Color Charts and Samples Guide Specification, Video training.



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