

TexSton 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

Applicable Standards:

Marmorino is produced in a facility certified under ISO 9002 – Quality Systems – Model for Quality Assurance in Production, Installation and Servicing.

Marmorino provides a Class A finish with 0 Flame Spread and 0 Smoke Density per ASTM E84 - *Surface Burning Characteristics of Building Materials* when applied over inorganic reinforced cement board.

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: (Interiors Only) 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: Remove projections and, if required, fill depressions with leveling coat. Leveling coat can be factory-bagged plaster mix EIFS cement base coat such as BASF Cenergy, or mixed with a liquid acrylic such as TexSton™ 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 TexSton™ 7350 diluted at rate of 1:4 with water. **All with a fine sand-texture finish (To create a mechanical key bond)**

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 TexSton **TexPrep Primer™**: A translucent-white, tintable, liquid- penetrating primer-sealer/undercoat. It is alkali-resistant and specifically formulated for TexSton 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 TexSton 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. TexSton 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.

First Coat: Apply 1/16 inch minimum thickness. Trowel with pressure and semi-circular movements. In most applications, a smooth first coat is used. However, retaining irregularities in the first coat produces an effect in the finish coat that some designers may prefer. Allow to dry completely before applying second coat.

Second Coat:

Smooth Finish: Apply in same manner as first coat. Smooth surface repeatedly with clean trowel. When material has set sufficiently to be tack free but still dark, mist surface and burnish until required smoothness is achieved.

Gloss Finish: Apply in same manner as smooth finish. Then, within 24 hours of application, sand surface with a 220 grit sandpaper.

Distressed Finish: Apply materials in patches leaving gaps to reveal first coat. Smooth surface repeatedly with clean trowel. When material has set sufficiently to be tack free but still dark, trowel again until required smoothness is achieved.

Veining: When desired, dark "veins" can be created by leaving high points on first coat to telegraph through final coat.

Blended Colors: A more variegated effect can be obtained by blending several colors together. Apply daubs of each color of plaster to hawk simultaneously and work together to obtain random yet consistent pattern.

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 TexSton for help developing custom finishes.

Stencils: Stencils can be used to create additional ornamental treatments. Applying stencils on top of final layer gives it full relief and prominence. Applying it before final layer gives an embossed or antiqued expression as stencil telegraphs through the finish material. Use precut plastic sheets to create stencils.

Color Wash: A translucent color wash will stain the pitted areas darker than the smooth areas. Use TexSton Glaze, a water-based glazing liquid. Allow Marmorino to dry 24 hours before color washing, then follow manufacturer's instructions.

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 TexSton sealer: high-quality, non-yellowing, water-based, water-repellent sealer. The following products are compatible with Marmorino and are available through TexSton; consult sealer manufacturer or conduct tests before using other products:

Penetrating Sealer: Use in other locations to maintain a natural-looking surface: **TexProtect SDS (Surface Defense Sealer).**

Allow Marmorino to dry 48 hours before applying sealer. Apply according to sealer manufacturer's instructions. Protect against overspray. Apply two coats; allow first coat to dry before applying second coat. Excess sealer can form a white residue if not removed promptly.

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

Precautions:

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. Use OSHA compliant eye protection. Wear a respirator when sanding or scraping. Provide well-ventilated work areas. Avoid prolonged skin contact. Do not apply if rain or freezing temperatures are expected within 24 hours; protect from rain for 48 hours after application. Do not apply over wet or frozen surfaces. Do not apply when temperature is less than 45 degrees F or more than 95 degrees F. Keep away from children. Use within six months after purchase. See MSDS and product label.

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 Marmorino's aesthetic appeal.

AVAILABILITY AND COST

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

Cost: Contact distributors for pricing information.

WARRANTY

TexSton 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.

TexSton'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. TexSton 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; 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: TexSton 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 TexSton 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 TexSton studio, at a distributor's or contractor's location, or on a job site.

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

ADDITIONAL INFORMATION

Material Safety Data Sheet
Contractor Application Tips
Instruction on Product Label
Color Charts and Samples
Guide Specification



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