



SECTION 09 25 14

[PLASTER] [STUCCO] FINISH [TEXSTON TERRA]

TexSton™ Terra™ is a high-quality finish for interior and exterior plaster and stucco. It is integrally pigmented and contains specially-graded fine aggregates which enable it to replicate the patina of "Old-World" stuccos, create beautiful textures, or express contemporary design flair. It can also be used as a lightweight and economical faux alternative to natural stone veneer. Terra contains a unique blend of polymer admixtures which contribute to superb adhesion, workability, and durability.

Design Assistance: This guide specification describes a few basic application techniques used with Terra. TexSton products, however, can create a seemingly endless range of aesthetic effects. Before editing this section, you may want to call TexSton to discuss your vision for your design. We will be happy to develop custom samples to help you identify just the right look. We can then describe the materials and techniques we used for the samples and help you edit this section to satisfy your requirements.

For samples, additional information, or names of local distributors and applicators, call TexSton at 800-788-7113 or visit www.texston.com.

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Integrally-colored, polymer-enhanced, Portland cement-based [plaster] [stucco] finish.

Coordinate related sections to assure satisfactory preparation of substrates.

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. For additional resistance to cracking, a fiber mesh can be imbedded into brown coat.

EIFS Base Coat: Comply with exterior insulation and finish system manufacturer's instructions.

Gypsum Drywall (Interiors Only): Drywall shall be taped and then sanded or floated. Provide Level Three or better surface in accordance with Gypsum Association's GA-214 - Recommended Levels of Gypsum Board Finish.

Specify expansion and control joints, corner beads, flashings and required trim. Require corrosion resistant trim and fasteners in exterior and wet areas.

Terra can also be used over existing surfaces, concrete, masonry, wood, metal, tile, glass, and other substrates. Contact TexSton for substrate preparation recommendations.

- B. Related Sections:

1. Section [09 2200 - Plaster and Gypsum Board] [_____]: [Plaster brown coat] [Gypsum board] [_____] substrates.
2. Section [_____]: Substrates.

1.02 REFERENCES

- A. ASTM C979 – Pigments for Integrally Colored Concrete.
- B. ASTM E84 – Surface Burning Characteristics of Building Materials.
- C. ISO 9002 – Quality systems -- Model for Quality Assurance in Production, Installation and Servicing.

1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's product data for finishes and other materials provided under this Section.
- B. Verification Samples: Submit [two] [_____] [sets of] samples [eight by ten] [_____] inches in size illustrating range of color[s] and texture[s] to be expected in completed work.
- C. Application Instructions: Submit complete manufacturer's application instructions. Include requirements for preparation of surfaces, method of application of each finish, and recommended curing and protection methods.
- D. Qualification Data: Submit a certificate indicating that installer is authorized by the manufacturer to install specified product.
- E. Installer's experience Record: Submit a list of at least 5 installations that have been installed for a minimum of 3 years of finish system similar in size, type and scope as described in this document. Include contact names and phone numbers.

1.04 QUALITY ASSURANCE

The ultimate quality and beauty of TexSton finishes depend upon the skill of the installers who apply them. While Terra is simple enough that any skilled plasterer can learn to apply it, TexSton also conducts rigorous training programs that enables us to certify master craftsmen.

Retain either performance criteria above and/or enter list of contractors below. Contact TexSton or your TexSton distributor for names of qualified contractors.

- A. **Manufacturer Qualifications:** Finish shall be produced in ISO 9002 certified facility. Manufacturer shall be company specializing in manufacturing products specified in this section with minimum four years experience.

- B. **Installer:** Installers shall be specially trained in the application of the finish. Installers shall have completed at least five installations of finishes similar to type included in this Section and shall have trained and certified by manufacturer.
 - 1. **Approved Installers:**
 - a. _____.
 - b. _____.
 - c. _____.

 - 2. **Certification:** Submit written documentation that installer is trained and certified by manufacturer to install finish.

 - 3. **Technical Representative:** Installer shall arrange and pay for a factory technical representative to be present at the start of the work and to observe the work in progress for not less than 6 hours.

- C. **Mock-up:**
 - 1. Prior to installation of work of this Section, apply sample [of each specified finish] approximately [four by four] [_____] feet in size at location directed by [Architect] [_____].
 - 2. Use specified materials and techniques to illustrate range of color[s], texture[s], and workmanship to be expected in completed work.
 - 3. Retain approved mock-up until work has been completed and accepted. [Accepted mock-up may be incorporated into final work.]

- D. **Single Source Responsibility:** Provide only proprietary, factory-formulated materials as produced by TexSton Industries, Inc. specifically for application indicated. Substitutes within the system are not permitted.

Retain below only if justified by Project size or complexity.

- E. **Pre installation Meeting:** After approval of submittals but prior to beginning installation of work of this Section, conduct a meeting at the site attended by Architect, Contractor, installers of substrates to receive the mature slaked lime plaster finish, to describe in detail the necessary preparatory work to enable installation of the finish, and to establish agreement, coordination and responsibilities. Prepare a detailed report of this meeting and furnish copies to the Architect and all attendees.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Storage: Protect materials from excessive moisture and direct sun in shipment, storage, and handling. Deliver materials in manufacturer's unopened containers and store in dark and dry place at between 45 and 95 degrees F and with adequate air circulation.

1.06 WARRANTY

- A. Manufacturer's Limited Warranty: Provide Manufacturer's 5-year limited warranty against products defects.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURER:

- A. **TexSton Industries**
8025 Deering Ave
Canoga Park 91304
800-788-7113
818-227-4812
Fax 818-227-4852
www.texston.com.

2.01 FINISH

- A. Product: **TexSton Terra**
- B. Composition: Premixed, dry, powder containing white Portland cement; specially graded silica sand free of dust and salts; dry acrylic polymers; rheological, water repellent, mildewicidal, and fungicidal admixtures; and mineral oxide pigments complying with ASTM C979.

Surface burning characteristics were tested with Terra applied over inorganic reinforced cement board.

- B. Performance: Class A; surface burning characteristics not exceeding Flame Spread = 0 and Smoke Density = 5 when tested according to ASTM E84.

Terra is offered in more than forty standard colors and 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. Our custom color matching service is free to qualified designers.

Since appearance may vary depending upon application and field conditions, manufacturer's color cards and product samples are approximate. Final selection or acceptance should be based upon larger samples or mock-ups prepared in accordance with methods proposed for use on Project.

- C. Color[s]: Plaster mix shall be factory-tinted by manufacturer.
 - 1. Provide TexSton color number[s] [_____,] [_____,] [and] [_____].
 - 2. Provide [one] [up to [_____] color[s] to be selected by [Architect] [_____] from manufacturer's selection of at least forty standard colors.
 - 3. Match [samples in [Architect's] [_____] 's] office] [existing building] [_____].

2.02 MIXING

- A. Add small amount of clean, potable water and mix with drill mixer until homogeneous paste consistency is reached. Let material rest for two to three minutes. Then add sufficient water to yield consistency suitable for application and mix again. Do not re-temper or remix.

2.03 ACCESSORIES

- A. Leveling Coat: At Contractor's option, use either of following:
 - 1. Thoroseal Plaster mixed with three parts water to one part Acryl-60 or an equal substitution consisting of factory-bagged plaster mix and liquid acrylic.
 - 2. Field blend one part Portland cement with 2 to 2 ½ parts washed and bagged sand and mix at rate of three parts water to one part Acryl-60.
- B. Primer: Provide TexSton primer of type compatible with substrate. Mix with clean, washed fine sand to roughen primed surface and improve spreadability of plaster coating; add one quart of sand per five gallons of primer.
- C. Sealer: Provide TexSton recommended sealer.

2.04 TOOLS

- A. Use trowels of types recommended by manufacturer to produce intended results.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Inspect substrates and conditions affecting work of Section. Do not proceed until unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Mask and protect adjacent surfaces not scheduled to receive products of Section.

- B. Substrate Preparation:
 - 1. Existing Substrates:
 - a. Remove deteriorated substrates and patch in acceptable manner.
 - b. Oily or Glossy Surfaces and Oil-Based Paints: Lightly sand prior to washing
 - c. Wash with trisodium phosphate mixed at rate of indicated on product label. Rinse, neutralize, and wipe dry.
 - 2. Substrates shall be clean and free of contamination.
- C. Leveling: Remove projections and fill depressions, if required, with leveling coat.
- D. Brown Coat: Dampen with water immediately before applying finish.
- E. Prime:
 - 1. Prime [gypsum board,] [_____,] [and] substrates with uneven moisture absorption characteristics to create uniform suction.
 - 2. Prime [metal,] [_____,] [and] smooth or non-porous substrates to improve spreadability of plaster.
 - 3. Allow primer to dry before plaster application.

3.03 APPLICATION

- A. General:
 - 1. Comply with manufacturer's installation requirements.
 - 2. Apply when temperature is between 45 to 95 degrees F.
 - 3. Do not bridge expansion or control joints.
 - 4. Continuously apply each layer in one general direction without allowing coating to dry at edges. Work shall be free from cold joints, scaffold lines, and other deficiencies detrimental to appearance and performance. If full width of wall cannot be covered at one time, terminate applications at natural divisions of surface such as control joints or corners.
- B. Texture:
 - 1. Follow specific manufacturer installation technique instructions. Some applications are two coats with additional, decorative coats as required.
 - 2. Color blending: Where several colors are to be blended, apply daubs of each plaster color to hawk simultaneously and work together to obtain a random, yet consistent pattern.
- C. [_____] Finish:
 - 1. Match [existing finish] [approved sample in [Architect's] [_____] 's] office.
 - 2. Apply [in two layers] [and] [as follows:] [_____].
- D. Special Effects: [_____].

- E. Tolerances: Slight mottling and variations in colors which are random yet consistent in overall effect are normal and acceptable features of finish.

3.04 CURING

- A. Not more than 24 hours after application, moisten plaster with water. Use spray or hose; start at bottom and work upwards.

3.05 SEALING

- A. Allow 72 hours for plaster substrate to dry before applying sealer.
- B. Apply according to sealer manufacturer's instructions. Protect against overspray.
- C. Apply two coats. Allow first coat to dry before applying second coat. Promptly after application of second coat, wipe surface to remove excess sealer.

3.06 CLEANING

- A. Remove masking.
- B. Adjacent Surfaces: Remove plaster splatters using methods which will not damage surfaces.

3.07 PROTECTION

- A. Protect from rain for 48 hours after application.
- B. Protect finishes from damage until final acceptance.
- C. Repair damage in accordance with manufacturer's instructions and to satisfaction of [Architect] [_____].

3.08 FINISH SCHEDULE

- A. Terra Finish Coat
Location:[_____].
Terra Finish System #[_____].

- B. Terra Finish Coat
Location:[_____].
Terra Finish System #[_____].

- C. Terra Finish Coat
Location:[_____].
Terra Finish System #[_____].

END OF SECTION

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