



Tivoli Stone™

Specification

1.01 Scope

- A. Provide all labor, materials, masking, tools and equipment necessary to apply the Tivoli Stone finish over Tivoli Stone Base, EIFS, stucco, interior or exterior concrete flooring, concrete masonry, drywall or plaster.

1.02 Related Sections

- A. Concrete 03300
- B. Unit Masonry 04200
- C. Exterior Insulation and Finish Systems 07240
- D. Sealants 07900
- E. Gypsum Plaster 09210
- F. Cement Plaster 09220

1.03 References

- A. All work shall conform to local building codes and other regulations governing work performed at the job site.
- B. All work shall conform to requirements and recommendations of Manufacturer's current technical bulletins.

1.04 Description

- A. Tivoli Stone Classic, Tivoli Stone Plaster and Tivoli Stone Antique Stucco are a mixture of white portland cement, crushed screened limestone aggregate and proprietary additives and will achieve the look of travertine, limestone, marble, granite, sandstone, field stone, brick, slate and other natural stone products.

1.05 Submittals

- A. The contractor shall make and submit two 2'x2' samples of the proposed finish to the architect and/or owner for approval.
- B. Mock-Up
 - 1. A minimum of one 8'x8' mock-up wall shall be constructed and coated by the applicator or contractor with the desired Tivoli Stone Finish to establish a standard of acceptance by the owner or architect.
- C. Manufacturer's Information
 - 1. Submit manufacturer's product information and specifications.

1.06 Quality Assurance

- A. Qualifications
 - 1. Manufacturer shall be Volterra Architectural Products LLC.
 - 2. The applicator or contractor shall be licensed and trained by a certified Tivoli Stone representative.
 - B. Substrates
 - 1. Application of the Tivoli Stone finish shall be applied to the following substrates:
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A. Exterior uses:

- 1) Tivoli Stone Base
- 2) Concrete flooring
- 3) Exterior Insulation and Finish Systems
- 4) Conventional Stucco
- 5) AAC
- 6) Rastra
- 7) ICF
- 8) Concrete Masonry

B. Interior uses:

- 1) Drywall
- 2) Gypsum Plaster
- 3) Cement Board
- 4) Concrete flooring
- 5) Concrete masonry
- 6) Tivoli Stone Base

2. The applicator or contractor shall verify that the proposed substrate is acceptable prior to application of the Tivoli Stone Base and Tivoli Stone Finish.

1.07 Delivery, Storage and Handling

- A. All materials shall be delivered to the job site in the original, unopened packaging with labels intact. Upon arrival, materials shall be inspected for physical damage. Questionable material shall be discarded and not used.
- B. Minimum storage temperature shall be 40° F. Maximum temperature shall be 90° F. All material shall be stored in a cool dry location, out of direct sunlight and protected from freezing and the weather.

1.08 Job Conditions

A. Existing Conditions:

1. The applicator shall have access to electric power, clean potable water and a clean work area at the location where the Tivoli Stone materials are to be applied.

B. Environmental Conditions:

1. The ambient air temperature shall be a minimum of 40° F during the application and curing of Tivoli Stone (24 hours). Also the temperature shall not exceed 100° F during the application of Tivoli Stone.

C. Protection

1. Adjacent areas and materials shall be protected from damage, spills and drops.
2. The Tivoli Stone Finish shall be protected by permanent or temporary means from weather and other damage, prior to, during and immediately after application.

1.09 Design Responsibility

It is the responsibility of both the specifier and the purchaser to determine if a product is suitable for

their intended use. The designer selected by the purchaser shall be responsible for all decisions pertaining to design detail, structural capability, attachment details, shop drawings etc. Volterra Architectural Products LLC has prepared guidelines in the form of specifications, application details, and technical bulletins to facilitate the design process only. Volterra Architectural Products LLC is not liable for any errors or omissions in design, detail, structural capability, attachment details, shop drawings, etc., whether based upon the information prepared by Volterra Architectural Products LLC or otherwise, or for any changes which purchasers, specifiers or designers.

1.10 Maintenance

- A. Maintenance and repair shall follow the procedures noted in the Tivoli Stone Application Manual.
- B. All Tivoli Stone products are designed to minimize maintenance. However, as all building materials will require some periodic cleaning.
- C. Sealants and flashing should be inspected on a regular basis.

1.11 General

- A. All products shall be supplied by Volterra Architectural Products LLC or its authorized distributors. Substitution or additions of other manufacturer's material will void warranty.

1.12 Materials

- A. Tivoli Stone Base : a mixture of portland cement, fiber and proprietary additives used as a base coat material.
- B. Tivoli Stone Classic, Tivoli Stone Plaster and Tivoli Stone Antique Stucco: a mixture of white portland cement, crushed screened limestone aggregate and proprietary additives used as a finish material.
- C. Tivoli Stone Admix: a waterborne acrylic polymer additive.
- D. Tivoli Stone Enhancer: a mixture of crushed screened granite, marble and colored agglomerates.
- E. Tivoli Stone Bonder: a vinyl acetate ethanol co-polymer bonding agent.

1.13 Equipment

- A. Mixing shall be done with a mechanical drill and a clean jiffler paddle or similar mixing paddle at 450 r.p.m. or with in a clean mechanical paddle mixer.
- B. Tools shall be stainless steel.
- C. Mixing vessel shall be clean and free of contaminants.

1.14 Inspection

- A. Examination of substrate: Ensure substrate is suitable for the application of Tivoli Stone, securely fastened and free of contaminants.

1.15 Substrate Preparation

- A. Tivoli Stone Base shall have cured for a minimum of 14 days prior to the application of Tivoli Stone finishes.
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- 1) Stucco, Concrete, Concrete Masonry shall have cured for a minimum of 28 days prior to the applicaiotn of Tivoli Stone Finishes.
 - 2) Exterior Insulation and Finish System shall meet or exceed local codes and manufacturer's specifications.
 - 3) Drywall shall be securely fasten with screws, joints taped and nails spotted with drywall joint compound.
 - 4) Interior plaster shall be secured to wall and meet UBC, local codes and manufacturer's specifictions.
 - 5) All surfaces must be clean and free of bond-inhibiting materials such as dirt, dust, rust, grease, oil, efflorescence, mildew, fungus, form-release agents, or any other contaminants.
 - 6) Removed and repair any loose paint, mortar, stucco, concrete or masonry by shot-blasting, water-blasting, sand -blasting, scraping or using a wire brush.
 - 7) Existing concrete surface must be water-blasted and acid etched then neutralized before application of Tivoli Stone Classic.

1.16 Mixing

- A. Contractor shall use only materials delivered to jobsite in unopened manufacturer's packaging and mixed in accordance with manufacturer's instructions.

1.17 Application

- A. Refer to the Tivoli Stone Application manual for complete information.

1.18 Quality Control

- A. The contractor shall be responsible for the application of the Tivoli Stone materials.
- B. Volterra Architectural Products LLC assumes no responsibility for job site inspections.

1.19 Clean-Up

- A. All Tivoli Stone material shall be removed from the job site by the applicator.
- B. All surrounding areas, where the Tivoli Stone materials have been mixed and applied shall be left free of debris and foreign substances resulting from the contractor's work.

1.20 Protection

- A. The materials shall be protected from weather and other damage until permanent protection in the form of flashings, sealant, etc. are installed.
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