



Bomanite Patene Arectura Guideline Specification

SECTION 03360

SPECIAL CONCRETE FINISHES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. This section includes the following:
 - 1. Work of this section includes all labor, materials, equipment and services necessary to complete the Bomanite Patene Arectura system including appropriate surface preparation, reactive stains, and maintenance treatments.

1.2 RELATED SECTIONS

- A. Related Work:
 - 1. Section 09639 Concrete Hardening/Sealing
 - 2. Section 03300 Concrete

1.3 SUBMITTALS

- A. Comply with pertinent provisions of Section 01600 – Product Requirements.
 - 1. Provide submittal information within 35 calendar days after the contractor has received the owner's notice to proceed.
- B. Product data:
 - 1. Submit special concrete finishes manufacturer's specifications, test data and other data required for each type of manufactured material and product indicated.
 - 2. Submit special concrete finishes technical bulletins giving manufacturer's name, product name, descriptive data, curing time, and application requirements.
 - 3. Submit 6" x 6" minimum samples showing color, finish, depth of grind and level of sheen to be matched by way of mockup at later date.
 - 4. Submit special concrete finishes manufacturer's Material Safety Data Sheet (MSDS) and other safety requirements.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.5 QUALITY ASSURANCE

- A. The contractor for this work shall be a licensed Bomanite Custom Polishing Licensee Certified Applicator trained and equipped by:
Bomanite Corporation
P.O. Box 599
Madera, CA 93639-0599
Tel: (559) 673-2411
Fax: (559) 673-8246

- B. Approved regional contractors:
Carolina Bomanite
4933 Chastain Ave.
Charlotte, NC 28217
Contact: John Fletcher, Tel: (800) 522-6514

- C. Installer Qualifications:
 - 1. Use an authorized Bomanite Franchise Partner and adequate number of skilled workmen who are thoroughly trained and experienced in the necessary craft
 - 2. Applicator shall be familiar with the specified requirements and the methods needed for proper performance of work of this section.

- D. Manufacturer's Certification:
 - 1. Provide letter of certification from Bomanite Corporation stating that installer is a certified applicator of special concrete finishes and is familiar with proper procedures/installation requirements required by the manufacturer.

- E. Mock-ups:
 - 1. Apply mock-ups of each type finish, to demonstrate typical joints, finish, color variation (if any), and standard of workmanship.
 - a. Build mock-ups approximately 100 square feet in the location indicated or if not indicated, as directed by the Architect or Owner Representative.
 - b. Notify Architect or Owner Representative seven days in advance of dates and times when mock-ups will be constructed.
 - c. Obtain from the Architect or Owner Representative approval of mock-ups before starting construction.
 - d. If the Architect or Owner Representative determines that mock-ups do not meet requirements, demolish and remove them from the site and cast others until mock-ups are approved.
 - e. Maintain mock-ups during construction in an undisturbed condition as a standard for judging the completed work.

1.6 PROJECT CONDITIONS

- A. Environmental limitations:
 - 1. Comply with manufacturer's written instructions for substrate temperature and moisture content, ambient temperature and humidity, ventilation, and other conditions affecting installation performance.
 - 2. Concrete must be cured a minimum of 28 days or as directed by the manufacturer before application of Bomanite Patene Arctectura can begin.

- B. Protection prior to application:
 - 1. All hydraulic equipment must be diapered to avoid leaks from staining the concrete surface.
 - 2. No pipe cutting machines will be used on the slab.
 - 3. No steel or other ferrous metals will be placed on slab to avoid oxidization stains.
 - 4. No vehicles will be parked on the slab unless an impervious drop cloth is used under the vehicle.

5. Drop cloths will be required under any solvent based adhesive used such as for ABS or PVC pipe welding.

Close areas to traffic during and after application for time period recommended in writing by licensed installer.

PART 2 PRODUCTS

2.1 MANUFACTURERS MATERIALS

- A. Patene Aritectura –Reactive Stain over un-colored concrete.
 1. Bomanite Con-Color
 2. Bomanite Ultraseal
 3. No substitutes will be considered or allowed.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Consult General Contractor, Structural Engineer, Architect and Concrete Contractor prior to installation of concrete slab to ensure complete understanding of substrate preparation, reinforcement, penetrations, mix design, placing and finishing requirements etc.
- B. Verify that concrete slab meets a minimum of 4000 psi of compressive strength, contains no air-entraining admixtures and has a minimum flatness rating of F25. Consult American Concrete Institute ACI302.IR-89, Guide for Concrete Floor and Slab Construction requirements in Division 3 Section "Cast-In-Place Concrete," and Project Conditions.

3.2 PREPARATION

- A. Examine substrate, with installer present, for conditions affecting performance of finish. Correct conditions detrimental to timely and proper work. Do not proceed until unsatisfactory conditions are corrected.
- B. Verify that base slab meets finish and surface profile requirements in Division 3 Section "Cast-In-Place Concrete," and Project Conditions above. **Minimum International Concrete Repair Institute CSP 2 is required.**
- C. Prior to application, verify that concrete surfaces are free of construction damage and contaminants

3.3 INSTALLATION

- A. Apply specialty preparation and coloration process in accordance with manufacturer's proprietary, internal application procedures.
 - a. Concrete must be in place a minimum of 28 days or as directed by the manufacturer before application can begin.
 - b. Application is to take place at least 5 days prior to installation of fixtures etc., thus providing a completely inhibited concrete slab for application.
 - c. **Patene Aritectura by Bomanite- Color: Natural gray un-colored concrete with Con-Color colors as outlined by Architect**
 - d. Only a certified applicator shall install Patene Aritectura by Bomanite. Applicable procedures must be followed as recommended by the product manufacturer and as required to match approved test sample and achieve required properties.

3.4 PROTECTION

- A. Protect finished work until fully cured in accordance with installer's recommendations.

END OF SECTION



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Bomanite Corporation

P.O. Box 599

Madera, California 93639-0599

Tel: (559) 673-2411

Fax: (559) 673-8246

Web site: www.bomanite.com

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