

S.322 – SPECIFICATION: MICRO-FINISH™ - Seamless Aged Floor

Revised: 3/15/21 Version: 1.0

GUIDE SPECIFICATIONS

SECTION 096200 – Specialty Flooring
SECTION 096700 – Fluid Applied Flooring
SECTION 099726 – Cementitious Coatings
SECTION 035300 – Concrete Topping

PART 1 - GENERAL

1.1 SUMMARY

SCOPE

- A. Provide all labor, materials and equipment necessary to apply the thin stamped overlay. This specification includes application over concrete on or above grade for exterior hardscapes or interior flooring.

DESCRIPTION

- A. ELITE CRETE SYSTEMS products consist of proprietary blends of high performance polymer formulations, cement, aggregates, sealer resins, stains & pigments intended to be used as a decorative and restoration coatings and finishes.

SUBMITTALS

A. Samples

1. The installer shall make and submit two, 2'x2' sized samples of the proposed finish to the architect, project manager and/or owner for approval. Design and color choice yet to be determined.
2. Manufacturer's product information and specifications.

QUALITY ASSURANCE

A. Qualifications

1. Products shall be exclusively ELITE CRETE SYSTEMS without substitutions.
2. The contractor/installer shall be listed with ELITE CRETE SYSTEMS as a trained contractor and shall possess a current ELITE CRETE SYSTEMS trained contractor certificate.

B. Substrates

1. ELITE CRETE SYSTEMS products shall be applied on the concrete when prepared in accordance with this specification and the ELITE CRETE SYSTEMS Product Information Sheets pertaining to the desired finish.

2. The contractor/installer shall inspect the proposed substrate prepared by third party to be sure it has been properly prepared in accordance with the ELITE CRETE SYSTEMS Product Information Sheet prior to application of the ELITE CRETE SYSTEMS finish. Contractor cannot be held liable for improper removal of loose substrate. Should additional removal be required, it will be the sole responsibility of the General Contractor.

1.2 REFERENCES

- A. American Concrete Institute (ACI):
 1. ACI 301 "Specification for Structural Concrete for Buildings."
 2. ACI 302 IR "Recommended Practice for Concrete Floor and Slab Construction."
 3. ACI 303.1 "Standard Specification for Cast-In-Place Architectural Concrete."
 4. ACI 304 "Recommended Practice for Measuring, Mixing, Transporting and Placing of Concrete."
- B. American Society of Testing and Materials (ASTM):
 1. ASTM C494 "Standard Specification for Chemical Admixtures for Concrete."

1.3 SUBMITTALS

- A. Product Data: Submit Elite Crete Systems' complete product information sheets, technical data sheets and Materials Safety Data Sheets for the following:
 1. THIN-FINISH™
 2. MICRO-FINISH™
 3. PORTION CONTROL COLORANT™
 4. E100-PT1™
 5. AUS-V™
- B. Samples for Initial Selection: Brochures.
- C. Qualification Data: For firms indicated in "Quality Assurance" Article, including list of completed projects.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Manufacturer with 10-years experience in manufacture of specified products.
- B. Installer Qualifications: An installer with [5-] [_____] years experience with work of similar scope and quality.
- C. Obtain each specified material from same source and maintain high degree of consistency in workmanship throughout Project.
- D. Notification of manufacturer's authorized representative shall be given at least 1-week before start of Work.
- E. Thin Stamped Overlay [Mockup] [Field Samples]:
 1. Provide under provisions of Division 1 Section ["Quality Control."] [_____].

2. At location on Project selected by [Architect] [Landscape Architect] [Engineer], place and finish [10 feet by 10 feet (3 by 3 m)] [4 by 4 feet (1.2 by 1.2 m)] [_____] area.
3. Construct [mockup] [sample panel] using processes and techniques intended for use on permanent work, including curing procedures. Include samples of control, construction, and expansion joints in sample panels. [Mockup] [Field sample] shall be produced by the individual workers who will perform the work for the Project.
4. Accepted [mockup] [field sample] provides visual standard for work of Section.
5. [Mockup] [Field sample] shall remain through completion of the work for use as a quality standard for finished work.
6. Remove [mockup] [field sample] when directed.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products in original factory unopened, undamaged packaging bearing identification of product, manufacturer, batch number, and expiration data, as applicable.
- B. Store the product in a location protected from damage, construction activity, and precipitation in strict accordance with the manufacturer's recommendations.

1.6 PROJECT CONDITIONS

- A. Schedule placements to minimize exposure to wind and hot sun before curing materials are applied for exterior applications.
- B. Avoid placing concrete if rain, snow, or frost is forecast within 24-hours. Protect from moisture and freezing for exterior applications.
- C. Comply with professional practices described in ACI 305R and ACI 306R.

1.7 PRE-JOB CONFERENCE

- A. One week prior to placement of the finish, a meeting shall be held to discuss the Project and application methods.
- B. It is suggested that the [Architect,] [Designer,] [Engineer,] [General Contractor,] [Construction Manager,] [Subcontractor,] and an Elite Crete Systems Manufacturer's Representative be present.

END OF SECTION

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURER

- A. Elite Crete Systems, 1151 Transport Drive, Valparaiso, Indiana 46383, USA. Toll Free: (888) 323-4445. Tel: (219) 465-7671. Fax: (219) 531-0898. Email: info@elitecrete.com. Website: www.elitecrete.com.

2.2 MATERIALS

A. General

1. Polymer Overlay Products, Sealers, Stains and Release Agents shall be supplied by ELITE CRETE SYSTEMS or its authorized distributors. Substitutions or additions of other materials must be approved in writing by ELITE CRETE SYSTEMS personnel.

B. Components (Not all components are used in all applications. Additional components are available)

1. THIN-FINISH™
2. MICRO-FINISH™
3. PORTION CONTROL COLORANT™
4. E100-PT1™
5. AUS-V™
6. [Other materials required to complete the project.]

C. Equipment

1. [Refer to the Product Information pages for detailed instructions.]

END OF SECTION

PART 3 - EXECUTION

3.1 PLACEMENT

- A. [Refer to Product Information pages for detailed instructions.]

3.2 DESIGN

- A. [To be determined.]
- B. Matching sample.

3.3 PROTECTIVE SEALER/COATING

- A. [To be determined.]

3.4 PROTECTION OF FINISHED WORK

- A. Protect finish work under provisions of Division 1 Section ["Temporary Facilities and Controls."]
[_____.]
- B. Prohibit foot or vehicular traffic on floor surface.
- C. Barricade area to protect flooring.
- D. Protect floor surface from damage until final inspection and acceptance by Owner.

3.5 SCHEDULE

- A. Refer to Room Finish Schedule for locations of specified floor finish.

3.6 APPLICATOR

- A. For a list of qualified contractors, contact: Elite Crete Systems, 1151 Transport Drive, Valparaiso, Indiana, USA. Toll Free: (888) 323-4445. Tel: (219) 465-7671. Fax: (219) 531-0898. Email: info@elitecrete.com. Web: www.elitecrete.com.

END OF SECTION