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## SECTION 03 3511 CONCRETE FLOOR FINISHES

### <<<< UPDATE NOTES

### PART 1 GENERAL

#### 2.01 SECTION INCLUDES

- A. Surface treatments for concrete floors and slabs.

#### 2.02 RELATED REQUIREMENTS

- A. Section **03 3000 - Cast-in-Place Concrete**: Finishing of concrete surface to tolerance; floating, troweling, and similar operations; curing.
- B. Section **03 3000 - Cast-in-Place Concrete**: Curing compounds that also function as sealers.
- C. Section **03 3523 - Exposed Aggregate Concrete Finishing**.
- D. Section **09 6566 - Resilient Athletic Flooring**: Fluid-applied athletic flooring.
- E. Section **09 6623 - Resinous Matrix Terrazzo Flooring**.
- F. Section **09 6700 - Fluid-Applied Flooring**.
- G. Section **09 6714 - Resilient Urethane Flooring**.
- H. Section **09 9600 - High-Performance Coatings**.

#### 2.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the work with concrete floor placement and concrete floor curing.

#### 2.04 SUBMITTALS

- A. See Section **01 3000 - Administrative Requirements**, for submittal procedures.
- B. Product Data: Manufacturer's published data on each finishing product, including information on compatibility of different products and limitations.
- C. Maintenance Data: Provide data on maintenance and renewal of applied finishes.

#### 2.05 MOCK-UP

- A. For coatings, construct mock-up area under conditions similar to those that will exist during application, with coatings applied.
- B. Mock-Up Size: <<10 feet (3 m); \_\_\_\_ feet (\_\_\_\_ m)>> square.
- C. Locate <<where directed; as indicated on drawings; or \_\_\_\_\_>>.
- D. Mock-up <<may; may not; or \_\_\_\_\_>> remain as part of the work.

#### 2.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in manufacturer's sealed packaging, including application instructions.

#### 2.07 FIELD CONDITIONS

- A. Maintain light level equivalent to a minimum <<200 W; or \_\_\_\_>> light source at <<8 feet (2.5 m); \_\_\_\_ feet (\_\_\_\_ m)>> above the floor surface over each <<20 foot (6 m); \_\_\_\_ foot (\_\_\_\_ m)>> square area of floor being finished.
- B. Do not finish floors until interior heating system is operational.
- C. Maintain ambient temperature of <<50 degrees F (10 degrees C); \_\_\_\_ degrees F (\_\_\_\_ degrees C)>> minimum.

### PART 2 PRODUCTS

#### 3.01 CONCRETE FLOOR FINISH APPLICATIONS

- A. Unless otherwise indicated, all concrete floors are to be finished using <<liquid densifier/hardener; dry shake hardener; penetrating sealer; high gloss sealer; slip

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*resistant coating; polyaspartic aliphatic polyurea coating; polished concrete finish; or  
\_\_\_\_\_>>.*

- B. Liquid Densifier/Hardener:
  - 1. Use at following locations: \_\_\_\_\_.
- C. Dry Shake Hardener:
  - 1. Use at following locations: \_\_\_\_\_.
- D. Concrete Stain:
  - 1. Use at following locations: \_\_\_\_\_.
- E. Penetrating Clear Sealer:
  - 1. Use at following locations: \_\_\_\_\_.
- F. High Gloss Clear Sealer:
  - 1. Use at following locations: \_\_\_\_\_.
- G. Slip Resistant Coating: High gloss clear sealer with plastic aggregate.
  - 1. Use at following locations: \_\_\_\_\_.
- H. Polyaspartic Aliphatic Polyurea Coating:
  - 1. Use at following locations: \_\_\_\_\_.
- I. Polished Finish:
  - 1. Use at following locations: \_\_\_\_\_.

## 3.02 SURFACE TREATMENTS

- A. Troweling Aid, Densifier and Curing Agent: Liquid reactive colloidal silica-based topical treatment, spray-applied to wet concrete and floated or troweled into the surface.
  - 1. Product:
    - a. Solomon Colors<<Solomon Colors Lythic Day1; \_\_\_\_\_; or None - N/A>>: [www.solomoncolors.com/sle](http://www.solomoncolors.com/sle).
    - b. \_\_\_\_\_.
    - c. \_\_\_\_\_.
    - d. Substitutions: <<See Section 01 6000 - Product Requirements; or Not permitted>>.

## 3.03 DENSIFIERS AND HARDENERS

- A. Liquid Densifier/Hardener: Penetrating chemical compound that reacts with concrete, filling the pores and dustproofing; for application to concrete <<prior to; or after>> set.
  - 1. Composition: <<Sodium silicate; Lithium silicate; or \_\_\_\_\_>>.
  - 2. Products:
    - a. ARDEX Engineered Cements; ARDEX PC-Finish: [www.ardexamericas.com](http://www.ardexamericas.com).
    - b. ARDEX Engineered Cements; ARDEX PC-50: [www.ardexamericas.com](http://www.ardexamericas.com).
    - c. BASF Construction Chemicals-Building Systems<<\_\_\_\_\_; or None - N/A>>: [www.buildingsystems.bASF.com](http://www.buildingsystems.bASF.com).
    - d. Concrete Sealers USA<<\_\_\_\_\_; or None - N/A>>: [www.concretesealersusa.com](http://www.concretesealersusa.com).
    - e. Dayton Superior Corporation; Pentra-Hard® Densifier: [www.daytonsuperior.com](http://www.daytonsuperior.com).
    - f. Dayton Superior Corporation; Pentra-Hard® Guard: [www.daytonsuperior.com](http://www.daytonsuperior.com).
    - g. Dayton Superior Corporation; Densifier J13: [www.daytonsuperior.com](http://www.daytonsuperior.com).
    - h. Dayton Superior Corporation; Sure Hard® Densifier J17: [www.daytonsuperior.com](http://www.daytonsuperior.com).
    - i. Euclid Chemical Company; EUCOSIL: [www.euclidchemical.com](http://www.euclidchemical.com).
    - j. Euclid Chemical Company; EUKO DIAMOND HARD: [www.euclidchemical.com](http://www.euclidchemical.com).
    - k. Euclid Chemical Company; ULTRASIL LI+: [www.euclidchemical.com](http://www.euclidchemical.com).
    - l. Kaufman Products Inc; Silicure: [www.kaufmanproducts.net](http://www.kaufmanproducts.net).
    - m. Kaufman Products Inc; SureHard: [www.kaufmanproducts.net](http://www.kaufmanproducts.net).
    - n. Kaufman Products Inc; SureHard LS: [www.kaufmanproducts.net](http://www.kaufmanproducts.net).
    - o. L&M Construction Chemicals, Inc, a subsidiary of Laticrete International, Inc; SEAL HARD: [www.lmcc.com](http://www.lmcc.com).

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- p. L&M Construction Chemicals, Inc, a subsidiary of Laticrete International, Inc; LiON HARD: [www.lmcc.com](http://www.lmcc.com).
- q. L.M. Scofield Company; SCOFIELDae Formula One99 Lithium Densifier MP: [www.scofield.com](http://www.scofield.com).
- r. Nox-Crete Products Group; Duro-Nox: [www.nox-crete.com](http://www.nox-crete.com).
- s. Nox-Crete Products Group; Duro-Nox LS: [www.nox-crete.com](http://www.nox-crete.com).
- t. Nox-Crete Products Group; Duro-Nox LSC: [www.nox-crete.com](http://www.nox-crete.com).
- u. PROSOCO, Inc; Consolideck LS/CS: [www.prosoco.com/consolideck/sle](http://www.prosoco.com/consolideck/sle).
- v. PROSOCO, Inc; Consolideck LS: [www.prosoco.com/consolideck/sle](http://www.prosoco.com/consolideck/sle).
- w. PROSOCO, Inc; ColorHard used with Consolideck LS or LS/C: [www.prosoco.com/consolideck/sle](http://www.prosoco.com/consolideck/sle).
- x. SpecChem, LLC; Cure Hard: [www.specchemllc.com/sle](http://www.specchemllc.com/sle).
- y. SpecChem, LLC; LithSeal SC: [www.specchemllc.com/sle](http://www.specchemllc.com/sle).
- z. SpecChem, LLC; SpecHard: [www.specchemllc.com/sle](http://www.specchemllc.com/sle).
- aa. W.R. Meadows, Inc; Med-Cure: [www.wrmeadows.com/sle](http://www.wrmeadows.com/sle).
- ab. W.R. Meadows, Inc; Liqui-Hard: [www.wrmeadows.com/sle](http://www.wrmeadows.com/sle).
- ac. W.R. Meadows, Inc; Liqui-Hard Ultra: [www.wrmeadows.com/sle](http://www.wrmeadows.com/sle).
- ad. \_\_\_\_\_.
- ae. \_\_\_\_\_.
- af. Substitutions: **<<See Section 01 6000 - Product Requirements; or Not permitted>>**.

B. Dry Shake Hardener: Premixed dry powder for spreading on and working into concrete surface prior to set.

- 1. Composition: Non-metallic aggregate.
- 2. Composition: Non-oxidizing metallic aggregate.
- 3. Composition: Metallic, aluminum oxide (emery) aggregate.
- 4. Composition: Metallic, iron aggregate.
- 5. Color(s): As selected by Architect from manufacturer's **<<standard; full; custom; or \_\_\_\_\_ >>** range.
- 6. Color(s): **<<As indicated on drawings; As scheduled; or \_\_\_\_\_ >>**.
- 7. Products:
  - a. BASF Construction Chemicals-Building Systems~~<<; \_\_\_\_\_; or None - N/A>>~~: [www.buildingsystems.bASF.com](http://www.buildingsystems.bASF.com).
  - b. BRICKFORM~~<<; BRICKFORM Color Hardener; \_\_\_\_\_; or None - N/A>>~~: [www.brickform.com/sle](http://www.brickform.com/sle).
  - c. Dayton Superior Corporation; Emery Tuff: [www.daytonsuperior.com](http://www.daytonsuperior.com).
  - d. Dayton Superior Corporation; Quartz Tuff: [www.daytonsuperior.com](http://www.daytonsuperior.com).
  - e. Dayton Superior Corporation; Ferro Tuff: [www.daytonsuperior.com](http://www.daytonsuperior.com).
  - f. Euclid Chemical Company; EUKO-PLATE HD: [www.euclidchemical.com](http://www.euclidchemical.com).
  - g. Euclid Chemical Company; DIAMOND PLATE: [www.euclidchemical.com](http://www.euclidchemical.com).
  - h. Euclid Chemical Company; SURFLEX: [www.euclidchemical.com](http://www.euclidchemical.com).
  - i. Euclid Chemical Company; SURFLEX TR: [www.euclidchemical.com](http://www.euclidchemical.com).
  - j. Kaufman Products Inc; Tycron: [www.kaufmanproducts.net](http://www.kaufmanproducts.net).
  - k. Kaufman Products Inc; Tycron EM: [www.kaufmanproducts.net](http://www.kaufmanproducts.net).
  - l. Kaufman Products Inc; Tycron Met: [www.kaufmanproducts.net](http://www.kaufmanproducts.net).
  - m. Kaufman Products Inc; Tycron Met 200: [www.kaufmanproducts.net](http://www.kaufmanproducts.net).
  - n. L&M Construction Chemicals, Inc, a subsidiary of Laticrete International, Inc; EMERYPLATE FF: [www.lmcc.com](http://www.lmcc.com).
  - o. L.M. Scofield Company~~<<; LITHOCHROME® Color Hardener; \_\_\_\_\_; or None - N/A>>~~: [www.scofield.com](http://www.scofield.com).
  - p. SpecChem, LLC; Quartz Floor Hardener: [www.specchemllc.com/sle](http://www.specchemllc.com/sle).
  - q. \_\_\_\_\_.
  - r. \_\_\_\_\_.

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- s. Substitutions: <<See Section 01 6000 - Product Requirements; or Not permitted>>.

## 3.04 COATINGS

- A. Concrete Floor Topping with Aggregate: Pre-mixed blend of Portland cement, hardeners and emery/corundum.
  - 1. Product:
    - a. Dayton Superior Corporation; Emery Tuff Top: [www.daytonsuperior.com](http://www.daytonsuperior.com).
    - b. Euclid Chemical Company; SURFLEX E: [www.euclidchemical.com](http://www.euclidchemical.com).
    - c. Euclid Chemical Company; EUCOFLOOR E: [www.euclidchemical.com](http://www.euclidchemical.com).
    - d. \_\_\_\_\_.
    - e. \_\_\_\_\_.
    - f. Substitutions: <<See Section 01 6000 - Product Requirements; or Not permitted>>.
- B. Concrete Stain or Dye: Translucent, penetrating compound for interior or exterior use; must be finished with a topical sealer.
  - 1. Composition: <<Acid-based, chemically reactive; Non-volatile acid based, chemically reactive; Polymer based, chemically reactive; Water-based, non-reactive; Solvent-based, non-reactive; or \_\_\_\_\_>>.
  - 2. Number of Coats: Minimum of <<one; two; or \_\_\_\_\_>>.
  - 3. VOC: <<100 g/L or less; 50 g/L or less; Zero; or \_\_\_\_\_>>.
  - 4. Primary Color: \_\_\_\_\_ <<in a formulation to match approved mock-up; full strength; diluted with water, at a ratio of \_\_\_\_\_ to \_\_\_\_\_; diluted with manufacturer's recommended product at a ratio of \_\_\_\_\_ to \_\_\_\_\_; blended with secondary color, at a rate of \_\_\_\_\_ to \_\_\_\_\_; \_\_\_\_\_; or None - N/A>>.
  - 5. Secondary Color: \_\_\_\_\_ <<applied after primary color has completely dried; \_\_\_\_\_; or None - N/A>><<in a formulation to match approved mock-up; full strength; diluted with water, at a ratio of \_\_\_\_\_ to \_\_\_\_\_; diluted with manufacturer's recommended product at a ratio of \_\_\_\_\_ to \_\_\_\_\_; \_\_\_\_\_; or None - N/A>>.
  - 6. Application:
    - a. Primary Color: <<Spray applied; Brush applied; or \_\_\_\_\_>>.
    - b. Secondary Color: <<Spray applied; Brush applied; Mop applied; Sponge applied; By method(s) to match approved mock-up; or \_\_\_\_\_>>.
  - 7. Products:
    - a. BRICKFORM; BRICKFORM Blush-Tone Acid Stain: [www.brickform.com/sle](http://www.brickform.com/sle).
    - b. BRICKFORM; BRICKFORM E-Stain: [www.brickform.com/sle](http://www.brickform.com/sle).
    - c. BRICKFORM; BRICKFORM ARTesian Stain: [www.brickform.com/sle](http://www.brickform.com/sle).
    - d. Euclid Chemical Company; STAIN-CRETE: [www.euclidchemical.com](http://www.euclidchemical.com).
    - e. Euclid Chemical Company; STONE ESSENCE: [www.euclidchemical.com](http://www.euclidchemical.com).
    - f. Euclid Chemical Company; VIBRA-STAIN: [www.euclidchemical.com](http://www.euclidchemical.com).
    - g. L.M. Scofield Company; LITHOCHROME Tintura Concrete Stain: [www.scofield.com](http://www.scofield.com).
    - h. PROSOCO, Inc; GemTone Stain: [www.prosoco.com/consolideck/sle](http://www.prosoco.com/consolideck/sle).
    - i. \_\_\_\_\_.
    - j. \_\_\_\_\_.
    - k. Substitutions: <<See Section 01 6000 - Product Requirements; or Not permitted>>.
- C. High Gloss Clear Coating: Transparent, non-yellowing, <<water-based; solvent-based; or water- or solvent-based>> coating.
  - 1. Composition: Acrylic polymer-based.
  - 2. Nonvolatile Content: <<35 percent; 25 percent; 20 percent; 15 percent; or \_\_\_\_\_>>, minimum, when measured by volume.
  - 3. Products:

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- a. BRICKFORM<<; **BRICKFORM Gem-Seal 100 VOC**; **BRICKFORM Gem-Seal 400 VOC**; **BRICKFORM Gem-Seal 700 VOC**; **BRICKFORM Poly-Seal 100 VOC**; **BRICKFORM Poly-Seal 400 VOC**; \_\_\_\_\_; or **None - N/A**>>: [www.brickform.com/sle](http://www.brickform.com/sle).
- b. Concrete Sealers USA<<; \_\_\_\_\_; or **None - N/A**>>: [www.concretesealersusa.com](http://www.concretesealersusa.com).
- c. Dayton Superior Corporation; AggreGloss® J25: [www.daytonsuperior.com](http://www.daytonsuperior.com).
- d. Dayton Superior Corporation; Tuf Seal® J35: [www.daytonsuperior.com](http://www.daytonsuperior.com).
- e. Dayton Superior Corporation; Ultra Seal EF: [www.daytonsuperior.com](http://www.daytonsuperior.com).
- f. Dayton Superior Corporation; PENTRA-HARD® GUARD: [www.daytonsuperior.com](http://www.daytonsuperior.com).
- g. Euclid Chemical Company: ULTRAGUARD: [www.euclidchemical.com](http://www.euclidchemical.com).
- h. L&M Construction Chemicals, Inc, a subsidiary of Laticrete International, Inc<<; \_\_\_\_\_; or **None - N/A**>>: [www.lmcc.com](http://www.lmcc.com).
- i. PROSOCO, Inc; LSGuard: [www.prosoco.com/consolideck/sle](http://www.prosoco.com/consolideck/sle).
- j. The QUIKRETE Companies<<; **QUIKRETE® Concrete & Masonry High Gloss Sealer**; \_\_\_\_\_; or **None - N/A**>>: [www.quikrete.com](http://www.quikrete.com).
- k. SpecChem, LLC; Aqua Shine: [www.specchemllc.com/sle](http://www.specchemllc.com/sle).
- l. SpecChem, LLC; Crystal Shine: [www.specchemllc.com/sle](http://www.specchemllc.com/sle).
- m. SpecChem, LLC; Deco Shine Plus: [www.specchemllc.com/sle](http://www.specchemllc.com/sle).
- n. W.R. Meadows, Inc; Deck-O-Grip W/B (slip-resistant): [www.wrmeadows.com/sle](http://www.wrmeadows.com/sle).
- o. W.R. Meadows, Inc; Decra-Seal W/B: [www.wrmeadows.com/sle](http://www.wrmeadows.com/sle).
- p. \_\_\_\_\_.
- q. \_\_\_\_\_.
- r. Substitutions: <<See Section 01 6000 - Product Requirements; or Not permitted>>.

D. Low Gloss Clear Coating: Transparent, non-yellowing, <<water-based; solvent-based; or water- or solvent-based>> coating.

- 1. Composition: Acrylic polymer-based.
- 2. Nonvolatile Content: <<25 percent; 20 percent; 15 percent; or \_\_\_\_\_>>, minimum, when measured by volume.
- 3. Products:
  - a. Concrete Sealers USA<<; \_\_\_\_\_; or **None - N/A**>>: [www.concretesealersusa.com](http://www.concretesealersusa.com).
  - b. \_\_\_\_\_.
  - c. \_\_\_\_\_.
  - d. Substitutions: <<See Section 01 6000 - Product Requirements; or Not permitted>>.

E. Colored Coating: Pigmented coating recommended by manufacturer for finishing concrete floors and slabs.

- 1. Type: Polyaspartic aliphatic polyurea; two-component, fast-curing.
- 2. Type: High solids acrylic; one-component; fast-curing.
- 3. Type: High solids epoxy; two-component.
- 4. Type: High solids aliphatic polyurethane; two-component.
- 5. Gloss: <<High gloss; Satin; Matte; or \_\_\_\_\_>>.
- 6. Color(s): As selected by Architect from manufacturer's <<standard; full; custom; or \_\_\_\_\_>> range.
- 7. Color(s): <<As indicated on drawings; As scheduled; or \_\_\_\_\_>>.
- 8. Products:
  - a. ARDEX Engineered Cements<<; \_\_\_\_\_; or **None - N/A**>>: [www.ardexamericas.com](http://www.ardexamericas.com).
  - b. BASF Construction Chemicals-Building Systems<<; \_\_\_\_\_; or **None - N/A**>>: [www.buildingsystems.bASF.com](http://www.buildingsystems.bASF.com).
  - c. Dayton Superior Corporation; Spec Cote 100: [www.daytonsuperior.com](http://www.daytonsuperior.com).
  - d. Dayton Superior Corporation; Spec Cote 100 CR: [www.daytonsuperior.com](http://www.daytonsuperior.com).
  - e. Dayton Superior Corporation; Spec Cote WB: [www.daytonsuperior.com](http://www.daytonsuperior.com).
  - f. Dayton Superior Corporation; Spec Cote Urethane: [www.daytonsuperior.com](http://www.daytonsuperior.com).
  - g. Euclid Chemical Company; CONCRETE STAIN SEALER: [www.euclidchemical.com](http://www.euclidchemical.com).

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- h. Euclid Chemical Company; EUCOTHANE: [www.euclidchemical.com](http://www.euclidchemical.com).
- i. Euclid Chemical Company; DURALTEX: [www.euclidchemical.com](http://www.euclidchemical.com).
- j. HP Spartacote, Inc<<; \_\_\_\_\_; or None - N/A>>: [www.hpspartacote.com](http://www.hpspartacote.com).
- k. Kaufman Products Inc; SurePoxy HiBild: [www.kaufmanproducts.net](http://www.kaufmanproducts.net).
- l. Kaufman Products Inc; SurePoxy Protective Coating WD: [www.kaufmanproducts.net](http://www.kaufmanproducts.net).
- m. Kaufman Products Inc; K PRO CRS: [www.kaufmanproducts.net](http://www.kaufmanproducts.net).
- n. SpecChem, LLC; Surface Shine Gray: [www.specchemllc.com/sle](http://www.specchemllc.com/sle).
- o. \_\_\_\_\_.
- p. \_\_\_\_\_.
- q. Substitutions: <<See Section 01 6000 - Product Requirements; or Not permitted>>.

F. Penetrating Sealer: Transparent, non-yellowing, <<water-based; solvent-based; or water- or solvent-based>> coating.

- 1. Composition: <<Siliconate; Silane; Siloxane; or \_\_\_\_\_>>.
- 2. Products:
  - a. Concrete Sealers USA<<; \_\_\_\_\_; or None - N/A>>: [www.concretesealersusa.com](http://www.concretesealersusa.com).
  - b. \_\_\_\_\_.
  - c. \_\_\_\_\_.
  - d. Substitutions: <<See Section 01 6000 - Product Requirements; or Not permitted>>.

G. Plastic Aggregate: Finely ground polymer for addition to coatings for slip resistance.

- 1. Products:
  - a. Dayton Superior Corporation; Grip Aid: [www.daytonsuperior.com](http://www.daytonsuperior.com).
  - b. Euclid Chemical Company; EUCO GRIP: [www.euclidchemical.com](http://www.euclidchemical.com).
  - c. SpecChem, LLC; Surface Grip: [www.specchemllc.com/sle](http://www.specchemllc.com/sle).
  - d. W.R. Meadows, Inc; Sure-Step: [www.wrmeadows.com/sle](http://www.wrmeadows.com/sle).
  - e. \_\_\_\_\_.
  - f. \_\_\_\_\_.
  - g. Substitutions: <<See Section 01 6000 - Product Requirements; or Not permitted>>.

H. Natural Aggregate: Finely ground stone for addition to coatings for slip resistance.

- 1. Products:
  - a. Dayton Superior Corporation; Emery Non-Slip: [www.daytonsuperior.com](http://www.daytonsuperior.com).
  - b. \_\_\_\_\_.
  - c. \_\_\_\_\_.
  - d. Substitutions: <<See Section 01 6000 - Product Requirements; or Not permitted>>.

## 3.05 POLISHED CONCRETE SYSTEM

A. Polished Concrete System: Materials, equipment, and procedures designed and furnished by a single manufacturer to produce dense polished concrete of the specified sheen.

- 1. Acceptable Systems:
  - a. ARDEX Engineered Cements<<; \_\_\_\_\_; or None - N/A>>: [www.ardexamericas.com](http://www.ardexamericas.com).
  - b. Euclid Chemical Company; DOUBLE DIAMOND POLISHED CONCRETE FLOOR SYSTEMS: [www.euclidchemical.com](http://www.euclidchemical.com).
  - c. L&M Construction Chemicals, Inc., a subsidiary of Laticrete International, Inc<<; FGS Permashine Concrete Polishing System; \_\_\_\_\_; or None - N/A>>: [www.lmcc.com](http://www.lmcc.com).
  - d. L.M. Scofield Company; SCOFIELD Formula One Ground & Polished Concrete Systems<<; **SCOFIELD® Formula One™ Lithium Densifier MP**;; **SCOFIELD® Formula One™ SG Densifier**;; **SCOFIELD® Formula One™ K Densifier**;; \_\_\_\_\_; or None - N/A>><<; **SCOFIELD® Formula One™ Finish Coat**;; **SCOFIELD®**

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*Formula One™ Guard-W;; SCOFIELD® Formula One™ Guard-S Concentrate;;  
\_\_\_\_; or None - N/A>>: www.scofield.com.*

- e. PROSOCO, Inc; Consolideck Polished Concrete System:  
www.prosoco.com/consolideck/sle.
- f. W.R. Meadows, Inc; Induroshine<<and Bellatrix Concrete Enhancer; \_\_\_\_; or  
None - N/A>>: www.wrmeadows.com/sle.
- g. \_\_\_\_\_.
- h. \_\_\_\_\_.
- i. Substitutions: <<See Section 01 6000 - Product Requirements; or Not permitted>>.

## PART 3 EXECUTION

### 4.01 EXAMINATION

- A. Verify that floor surfaces are acceptable to receive the work of this section.
- B. Verify that flaws in concrete have been patched and joints filled with methods and materials suitable for further finishes.

### 4.02 GENERAL

- A. Apply materials in accordance with manufacturer's instructions.

### 4.03 COATING APPLICATION

- A. Verify that surface is free of previous coatings, sealers, curing compounds, water repellents, laitance, efflorescence, fats, oils, grease, wax, soluble salts, residues from cleaning agents, and other impediments to adhesion.
- B. Verify that water vapor emission from concrete and relative humidity in concrete are within limits established by coating manufacturer.
- C. Protect adjacent non-coated areas from drips, overflow, and overspray; immediately remove excess material.
- D. Apply coatings in accordance with manufacturer's instructions, matching approved mock-ups for color, special effects, sealing and workmanship.

### 4.04 CONCRETE POLISHING

- A. Execute using materials, equipment, and procedures specified by manufacturer, using manufacturer approved installer.
  - 1. Final Polished Sheen: <<Satin finish; Semigloss finish; High-gloss finish; or  
\_\_\_\_>>; other sheens are included as comparison to illustrate required sheen; final sheen is before addition of any sealer or coating, regardless of whether that is also specified or not.
  - 2. Satin Finish: Reflecting images from side lighting.
  - 3. Semi-Gloss Finish: Reflecting overhead and side images from <<35 to 45 feet (10 to 14 meters); \_\_\_\_ feet (\_\_\_\_ meters)>> away.
  - 4. High Gloss Finish: Finish that looks wet and shows mirror-like reflections of side and overhead images.
- B. Protect finished surface as required and as recommended by manufacturer of polishing system.

**END OF SECTION**