SECTION 030130.61
FORMATTED SPECIFICATION
SUNDEK® CLASSIC TEXTURE™

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Installation of the SUNDEK® Classic Texture System including, substrate preparation, substrate repairs, materials, and installation process.

B. Repair of vertical and overhead horizontal surfaces.

1.2 RELATED SECTIONS

A. Section 03300 - Cast-In-Place Concrete:

B. Section 02751 - Portland Cements Concrete Paving.

C. Section 03925 - Concrete Resurfacing and Rehabilitation.

D. Section 039000- Exterior Overlay Maintenance.

1.3 REFERENCES

A. ANSI A118.4 - Specifications for Latex Portland Cement Mortar.

B. ASTM D1242 – Standard Test Methods for Abrasion Resistance.

C. ASTM D570 – Standard Test Methods for Water Absorption.

D. ASTM D-2047-11 Standard Specification for Coefficient of Friction.

E. ANSI A 326.3 Dynamic Coefficient of Friction.

F. ASTM D229 – Standard Test Methods for Chemical Resistance by 12 Reagents.

G. ICRI 310.2R-2013 Selecting & specifying concrete surface preparation for sealers, coatings, polymer overlays, and concrete repair.

1.4 SUBMITALS

A. Product Data: Manufacturer's data sheets on each product to be used, including:

B. Shop Drawings.

C. Selection Samples: For each finish product specified, a complete set of color chips representing manufacturer's full range of available colors and patterns.

D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, represent actual product, color, and patterns.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications.

B. Installer Qualifications. Installer must be a licensed SUNDEK® installation contractor with 5 years' experience in similar projects.

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D. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.

1. Finish areas designated by Architect.
2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
3. Completed mock up if acceptable may become part of the finished work.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Properly label and identify all containers as Sundek materials.

B. Deliver and store all materials to prevent damage to product and containers.

C. Store all material in a clean, dry location where temperatures are maintained between 40 and 90 degrees Fahrenheit.

D. Comply with manufacture's Safety Data Sheets (SDS) for delivery, storage and handling of products.

1.7 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

B. Exterior Surfaces: Do not apply materials in wet weather.

PART 2 – PRODUCTS

2.1 MANUFACTURER

Acceptable Manufacturer: Sundeck Products USA, Inc., which is located at: 616 E. AVENUE J, GRAND PRAIRIE, TX 75050

USA. Toll Free Tel: 877-478-6335; Email: request info: product@sundek.com; Web: www.sundek.com;

2.2 SUNDEK® PRODUCTS INC. CLASSIC TEXTURE.

Copolymer Modified Cementitious Texture Finish: Sundek Classic Texture Finish as manufactured by SUNDEK® Products Inc.

2.3 ACCEPTABLE MATERIALS

A. Sundek 106 Blending Mix

B. Sundek Premix 112-113: Copolymer modified thin set cement coating to be used in conjunction with Sundek Additive, available in Grey (112) and White (113).

F. Sundek 210 Concentrated Additive: Vinyl acetate emulsion with 53% solids content.

G. Sundek Finish Coat (Premium): High solids, water-based acrylic protective topcoat available in clear, 16 standard colors, or any customer color choice as special order.

H. Sundek Finish Coat Clear: Optional material based on project requirements.

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2.4 SYSTEM INTEGRITY

A. Sundek Classic Texture is an engineered system and requires all components to perform as specified. No substitutions are permitted. Any substitution of products or components will void any warranty expressed or otherwise implied.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Concrete shall be structurally sound, with required reinforcements and footings. Place and finish concrete in a skilled and workmanlike manner.

B. Install control joints throughout concrete as required to prevent cracking.

C. Provide surface drainage at all points no less than 1/4 inch per linear foot. Drainage correction is not guaranteed in the Sundek Classic Texture installation.

D. Refer to section 033000, cast in place concrete specification.

3.2 PREPARATION

A. Clean concrete surface with high-pressure power washer. Surface shall be a CSP-1-2 according to ICRI 310.2R-2013.

B. Remove dirt, grease, oil, curing compounds or other foreign substances, which may prevent proper bonding. Any demolition of existing coatings may require mechanical removal to insure surface bonding.

C. Provide protective masking at all adjacent areas not to be coated.

D. Repair cracks, surface damage and any corrective measures on concrete.

3.3 PROJECT DETAILS

A. Specific project details will be as follows.

B. Finished texture shall be SUNDEK CLASSIC TEXTURE.

C. Primary color shall be “INSERT COLOR HERE”.

D. Secondary color shall be “INSERT COLOR HERE”

E. Pattern or template if used shall be “INSERT HERE / OR N/A”.

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3.4 APPLICATION

A. Spray or roll Sundek Primer/Additive on area to be coated. Allow to dry and become transparent. Surface should be tacky when applying 1st coat of material.

B. SUNDEK 106 Blending Mix / Sundek 112-113 Premix. For exposed aggregate use Sundek 106 blending mix. For smooth or weathered surfaces use Sundek 112-113 Premix.

   1. Mix Sundek Blending Mix or Premix for bonding base coat application using mechanical agitation for 3-6 minutes as per manufacturers technical guidelines.:
   2. Pre-dilute 210 concentrated additive at a 2:1 ratio before use.
   3. Mix the appropriate Sundek powder, according to the manufacturers technical data sheet.
   4. Apply Sundek blending mix following the manufacturers technical guidelines at a minimum thickness of 1/8” and allow drying. Scrape away edges or ridges when dry.

C. SUNDEK TEXTURE COAT(S)

   1. Mix Sundek Premix (112-113) for the texture application using mechanical agitation for 3-6 minutes as per manufacturers technical guidelines.
   2. Apply Sundek texture coat over base when walkable, using a spray hopper and compressor. The first coat should be a stipple coat using a smaller spray tip.
   3. Apply a 2nd coat of Sundek Premix using a larger nozzle or tip. The splatter coat should be hit with a flexible pool trowel to create the knock down texture.
   4. Allow the material to dry completely. Scrape the surface again to remove any excess material not bonded to the surface. Sweep, vacuum or blow debris from the surface before applying the color coats.

D. SUNDEK COLOR APPLICATION

   1. Caulking for joints or repairs should be installed at this time.
   2. Custom score lines can be applied if required for the project.
   3. Apply two coats of Sundek Finish Coat to surface by roller or airless type sprayer per manufacturers technical guidelines. Allow the surface to dry completely between coats.
   4. Sundek Finish Coat Clear may be installed after all subsequent coats have dried completely. NOTE: Applications using PREMIUM FINISH COAT do not require a clear coat to be applied.

E. Remove all protective masking upon drying of Sundek Clear Finish Coat.

3.5 PROTECTION

A. Protect all phases of Sundek Classic Texture from moisture, freezing and foot traffic for 24 hours. Prevent vehicular traffic for 72 hours from finish of application.

B. Owner or General Contractor will provide protection for finished Sundek Classic Texture Finish from damage by others until acceptance by responsible party.

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3.6 MAINTENANCE

A. Power wash or rinse thoroughly on a regular basis as needed.

B. A mild solution using a neutral pH cleaner may be used as needed for tougher stains.

C. Touch up and perform all minor repairs as needed with touch up kits provided by Sundek upon request during installation.

D. Refer to the SUNDEK Maintenance specification for exterior overlays for more detailed instructions. Section 03 90 00.

E. Contact your Sundek dealer for further assistance.

END OF SECTION

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