



SECTION 03360

CONCRETE FINISHES

SUNGLAZE

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Resurfacing of exterior concrete pavements.
- B. Resurfacing of interior concrete floors.
- C. Moisture reduction barrier.
- D. Revitalizing of existing decorative finishes.

1.2 RELATED SECTIONS

- A Section 03300 - Cast-In-Place Concrete: New concrete.
- B Section 03330 - Architectural Concrete.
- C Section 09960 - High Performance Coatings.
- D Section 09325 - Concrete Resurfacing and Rehabilitation.

1.3 REFERENCES

- A ASTM C1028 – Standard Test Methods for Coefficient of Friction.
- B ASTM D1242 – Standard Test Methods for Abrasion Resistance.
- C ASTM D570 – Standard Test Methods for Water Absorption.
- D ASTM D229 – Standard Test Methods for Chemical Resistance by 12 Reagents.
- E ASTM 451 – standard Test Method for adhesion to concrete .

1.4 SUBMITALS

- A Submit under provisions of Section 01300.
- B Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C Shop Drawings.
- D Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E 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.
- C 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. Refinish mock-up area as required to produce acceptable work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Properly label and identify all containers as Sundeck 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 Material Safety Data Sheets (MSDS) 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

- A Acceptable Manufacturer: SUNDECK Products Inc, U.S.A., which is located at: 805 Ave H Suite 508; Arlington TX, 76011; ASD. Toll Free Tel: 877-478-6335; Email: [request info: products@sundek.com](mailto:requestinfo@sundek.com); Web: www.sundek.com;

2.2 SUNGLAZE SYSTEM

- A Tinted Solvent Base Urethane Sealer. SunGlaze as manufactured by Sundek Design Products.

2.3 ACCEPTABLE MATERIALS

- A Sundek Crystal Clear:
 - 1. Solvent Base Urethane Sealer.
 - 2. Color Oxide.

2.4 PERFORMANCE

- A Tukon Hardness.....16.
- B Solids Content by weight.....30%.
- C Adhesion to Concrete.....concrete fails before loss of bond.
- D Chemical Resistance (ASTM D229) 12 Reagents.....Unaffected.

PART 3 – EXECUTION

3.1 EXAMINATION

- A Concrete shall be structural sound. Place and finish concrete in a skilled and workmanlike manner.
- B Surface should have enough porosity or primed in the event of existing sealers in order to apply Sundek SunGlaze.

3.2 PREPARATION

- A. Clean concrete surface with high-pressure power washer.
- B. Remove dirt, grease, oil, curing compounds or other foreign substances, which may prevent proper 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 APPLICATION

- A. Mask off surrounding areas for property protection.
- B. Mix Color Oxide with Sundeck Crystal Clear at a rate of 4 oz of Oxide per Gallon.
- C. Spray SunGlaze on to surface at a rate of 200-250 sq ft per gallon.
- D. Remove protecting masking after Sundeck SunGlaze has dried completely.

3.4 PROTECTION

- A. Protect all phases of Sundeck SunGlaze 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 Sundeck SunGlaze from damage by others until acceptance by responsible party.

3.5 MAINTENANCE

- A Power wash or rinse thoroughly on a regular basis as needed.
- B A mild solution of muriatic acid can be use for tougher stains.
- C Touch up and perform all minor repairs as needed with touch up kits provided by Sundeck during installation.
- D Re-coloring of coating can be done to refresh the appearance and promote longevity.
- E Contact your Sundeck dealer for further assistance.

END OF SECTION