

**SECTION 03365
CONCRETE FLOOR STAIN**

**Nikka Corporation
Acid Stain 'AST'**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Acid Stain "AST" Concrete floor stain.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-in-Place Concrete.
- B. Section 09930 - Stains and Transparent Finishes.

1.3 SUBMITTALS

- A. Comply with Section 01330 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including surface preparation and application instructions.
- C. Color Samples: Submit manufacturer's standard color chart.
- D. Installer's Project References: Submit list of successfully completed projects, including project name and location, name of architect, and type and quantity of concrete floor stain applied.
- E. Maintenance Instructions: Submit manufacturer's maintenance and cleaning instructions.

1.4 QUALITY ASSURANCE

- A. Single Source Responsibility: Concrete floor stain materials shall be products of a single manufacturer.
- B. Installer's Qualifications:
 - 1. Successful experience in application of similar concrete floor stains.
 - 2. Employ persons trained for application of concrete floor stains.
- C. Pre-installation Meeting: Convene a pre-installation meeting before start of application of concrete floor stain. Require attendance of parties directly affecting work of this section, including Contractor, Architect, and applicator. Review surface preparation, application, protection, and coordination with other work.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying manufacturer, product name, and concrete floor stain color.
- B. Storage: Store materials in a clean, dry area indoors in accordance with manufacturer's instructions. Keep containers sealed until ready for use.
 - 1. Concrete Floor Epoxies & Sealer: Keep away from ignition sources. Do not allow to freeze.
- C. Handling: Protect materials during handling and application to prevent damage or contamination.

1.6 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply concrete floor stain when air or surface temperature is below 40 degrees F.
- B. Concrete Floor Sealer: Do not apply when air or surface temperature is below [55 degrees F]
- C. Exterior Surfaces: Do not apply materials in wet weather.

1.7 SEQUENCING

- A. Prepare surface and apply concrete floor stain after other interior finish work is completed and before baseboards are installed.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Nikka Corporation 1880 W Oak Pkwy Ste. 105; Marietta, Georgia 30062 P. 678-290-0830
Web www.nikkacorp.com

2.2 CONCRETE FLOOR STAIN

- A. Concrete Floor Stain: Acid Stain "AST".
 - 1. Description: Combination of acid solution, wetting agents, and metallic ions. When mixed with water, chemically combines with portland cement to form permanent colors.
 - 2. Colors: 1.Antique Adobe, 2.English Saddle, 3.Paprika, 4.Green Leaf, 5.Blue Topaz, 6.Jade Green, 7.Aztec Bronze, 8.Ancient Buff, 9.Amber wood, 10.Weathered Terracotta, 11.Brown Mosaic, 12.English 13.Walnut, Black

2.3 ACCESSORIES

- A. Concrete Floor Sealer: (Any one of the following Epoxies or sealer are acceptable)
 - 1. Water Based Acrylic Urethane (NC-WBAU)
 - 2. Water based Epoxy Coating (NC-WBEC)
 - 3. Solvent Based Epoxy coating (NC-SBEC)

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine surfaces to receive concrete floor stain. Notify Architect / General Contractor if surfaces are not acceptable. Do not begin surface preparation or application until unacceptable conditions have been corrected.

3.2 SURFACE PREPARATION

- A. Protection:
 - 1. Protect walls and surrounding surfaces not to receive concrete floor stain.
 - 2. Do not allow stain to come in contact with wood or metal surfaces.
- B. Prepare concrete surface in accordance with manufacturer's instructions.
- C. Concrete shall be as specified in Section 03300. Ensure concrete is a minimum of 28 days old.
- D. Ensure concrete surface is clean, dry, structurally sound, and free from dirt, dust, oil, grease, solvents, paint, wax, asphalt, concrete curing compounds, sealing compounds, surface hardeners, bond breakers, adhesive residue, and other surface contaminants.
- E. Do not acid wash or use heavy alkali cleaners.

3.3 APPLICATION

- A. Apply concrete floor stain in accordance with manufacturer's instructions at locations indicated on the drawings.
- B. Control depth of color by adjusting volume of stain applied to floor.
- C. Apply 2 coats of concrete floor stain. Allow floor to completely dry after each coat. Do not scrub clean between coats.
- D. After floor has completely dried, scrub off stain residue in accordance with manufacturer's instructions. Allow floor to completely dry.
- E. Concrete Floor buff on Wax: Apply concrete floor buff on wax over interior concrete floor stain in accordance with manufacturer's instructions. (If applicable)
- F. Concrete Floor Epoxy / Sealer: Apply concrete floor Epoxy / sealer over concrete floor stain in accordance with manufacturer's instructions.

3.4 PROTECTION

- A. Protect stained concrete floor from damage during construction.
- B. Protect concrete surfaces from foot traffic for a minimum of 12-24 hours depending on type of sealer applied.
- C. Avoid washing concrete surfaces for a minimum of 48 hours.

END OF SECTION