

# GUIDE SPECIFICATION

*Manufacturer:*

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## SECTION 09610

### SPECIAL COLORATION TREATMENT OF CONCRETE FLOORS

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*This guide specification has been prepared by Newlook International, Inc. in printed and electronic media, as an aid to specifiers in preparing written construction documents for colored concrete floor slabs using a water-based, non-reactive, non-acrylic colored concrete stain.*

*Edit entire master to suit project requirements. Modify or add items as necessary. Delete items which are not applicable. Words and sentences within brackets [\_\_\_\_\_] reflect a choice to be made regarding inclusion or exclusion of a particular item or statement. Where a value, word, or phrase is followed by a bracket, the preferred value, word, or phrase occurs first, with the other choices following inside the brackets. This section may include performance, proprietary and descriptive type specifications. Edit to avoid conflicting requirements.*

*This guide specification is written around the Construction Specifications Institute (CSI), Section Format standards references to section names and numbers are based on MasterFormat 95.*

*For specification assistance on specific product applications, please contact our office above or any of our local product representatives throughout the country. Additional technical information is available in both our Technical Information Sheet and MSDS..*

*Newlook International, Inc. reserves the right to modify these guide specifications at any time. Updates to this guide specification will be posted to the manufacturer's web site and/or in printed matter as they occur. Newlook International, Inc. makes no expressed or implied warranties regarding content, errors, or omissions in the information presented.*

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#### PART 1 GENERAL

##### 1.1 RELATED DOCUMENTS

- A. Provisions established within the General and Supplementary General Conditions of the Contract, Division 1 - General Requirements, and the Drawings are collectively applicable to this Section.

##### 1.2 SECTION INCLUDES

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*Edit the "Section Includes" paragraph to briefly describe the content of the section. After editing section, refer back to this paragraph to verify no conflicts occur.*

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- A. Concrete floor slabs colored using a tinted, penetrating stain that is non-reactive.
- B. Surface finishing and sealing.

##### 1.3 QUALITY ASSURANCE

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*Include quality assurance requirements below which are consistent with the size and scope of the project and extent of work of this section. Only request qualification statements you intend to review, and which are necessary to establish qualifications of the product, manufacturer, or installer.*

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- A. Perform work in accordance with ACI 301.
- B. Obtain materials from same source throughout.
- C. Work shall be performed by a qualified contractor who is experienced and trained in surface cleaning and preparation of concrete, surface coloring and sealing. Concrete shall be cleaned, prepared, tinted and sealed using Newlook International, Inc. Products and by following manufacturer's application guidelines.
- D. Concrete surface shall have no sealers, curing compounds, loose debris, oil, grease, dirt, or coatings that will resist the penetration and bonding of Newlook Concrete Color Stains™ to the concrete substrate.
- E. All concrete surfaces to receive application of Newlook Concrete Color Stains shall be tested to ensure that they have a properly cured and porous surface. If the concrete surface is 'dusty' or otherwise friable, call Newlook International, Inc. Technical Service for assistance prior to application of Newlook Concrete Color Stains.
- F. Jobsite Conditions:
  - 1. Product shall not be applied if concrete temperature drops below 50° F or rises above 90° F. Use a surface thermometer to determine concrete temperature.
  - 2. Mask and protect all adjacent surfaces and finishes from damage, staining or defacing from applications.
  - 3. Barricade work area from pedestrian and vehicular traffic once surface preparation begins. Newlook Concrete Color Stains can be walked on with light foot traffic at least 4 hours after the final application has fully cured/dried. It can be driven on 48 hours after the final application has fully cured/dried. Park on corrugated cardboard for at least 14 days after application. It can be cleaned (pressure wash) 1 week after the final application has fully cured/dried.

1.4 SUBMITTALS

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*Include submittal requirements below which are consistent with the scope of the project and extent of work of this section. Only request submittals which are necessary for review of design intent.*

*Do not request submittals if drawings sufficiently describe the products of this section or if proprietary specifying techniques are used. The review of submittals increases the possibility of unintended variations to drawings.*

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- A. Submit product data under provisions of Section 01300.
- B. Include data on joint filler, chemical stains, and curing/sealing compounds.
- C. Submit manufacturer's instructions under provisions of Section 01300.
- D. Provide field samples of surface colors and textures specified for architect approval prior to beginning work, 48 x 48 inch in size illustrating paving finishes.

**PART 2 PRODUCTS**

2.1 PRODUCTS

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*Newlook Concrete Color Stains™ are used to enhance the image of concrete. Refer to manufacturer's product instructions and usage recommendations. Contact manufacturer for suggested maintenance applications for periodic renewal of finish. The following is a brief description of the Newlook Concrete Color Stains product line:*

*ALL products within Family of Newlook Concrete Color Stains™: Modified-polymer, Non-acid-based (non-reactive), non-acrylic-based, penetrating stains that do NOT change the texture of concrete or increase slip-coefficient of surface. Dries to a matte finish. No volatile organic compounds (VOCs). Do not necessarily need to be sealed. Are compatible with any type of sealer, if desired. Provide a breathable finish and do not need to be stripped or removed in preparation for future maintenance applications of Concrete Color Stains.*

*Newlook Solid Color Stain™* provides a solid, opaque finish and does NOT need to be sealed.

*Newlook Transparent Color Enhancer™* is a translucent concrete stain used as an accent color for antiquing stamped surfaces or faux finishing effects.

*Newlook Color Additive Bottle™* is concentrated pigment used to intensify the hue of Newlook Transparent Color Enhancer when added to the same color of Transparent Color Enhancer.

*Newlook Clear 32™* can be used with or without abrasive grit on either stained or unstained concrete for a non-glossy, clear appearance and breathable finish. It can be used as a pre-coat or "primer" before a raw, virgin or integrally colored concrete surface is stained with Transparent Color Enhancer. It is not meant to be used as a protective sealer on exterior applications. It can be applied in layers on interior applications for greater protection as a sacrificial layer.

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- A. Pigmented Penetrating Stain: Micronized Pigments suspended in a concrete-penetrating, water-based, hydrolyzed compound; Newlook Concrete Color Stains™ by Newlook International, Inc.
  - 1. [Newlook Solid Color Stain.]
  - 2. [Newlook Transparent Color Enhancer.]
  - 3. [Newlook Color Additive Bottle.]
  - 4. [Newlook Clear 32.]
- B. Additional Cleaning and Preparation materials:
  - 1. [Newlook Eco Acid.] An environmentally friendly concrete profiling solution.
  - 2. [Newlook Concrete Degreaser.] An industrial strength concrete degreasing solution.
  - 3. [Newlook Concrete Cleaner.] A multi-purpose concrete cleaning solution.

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*Newlook Concrete Sealer™ is used to protect stained concrete by minimizing the damaging effects of petroleum-based contaminants, soil, grease, and overall effects of weathering. Refer to manufacturer's product instructions and usage recommendations. Contact manufacturer for suggested maintenance applications for periodic renewal of finish. The following is a brief description of the Newlook Concrete Sealer recommended for concrete that is stained with Newlook Concrete Color Stains and other colored concrete surfaces:*

*Newlook Concrete Sealer: Solvent-based, non-yellowing, penetrating sealer that protects against dusting, staining, whitening effects, dirt, and some industrial chemicals. Creates a protective and sacrificial film on surface. Can be applied in multiple layers. Newlook Concrete Sealer does comply with VOC regulations.*

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- C. Sealing and Finish Coatings:
  - 1. [Newlook Concrete Sealer.] clear, penetrating **sealer** that provides a breathable, protective film and can be used to protect applications of Newlook Concrete Color Stains.
  - 2. [Newlook Clear 32.] clear, penetrating **stain** that can be used in multiple layers for protecting interior applications.
- D. Maintenance Products: Newlook Concrete Cleaner, Newlook Concrete Sealer

## **PART 3 EXECUTION**

### **3.1 CONCRETE COLORATION**

- A. Preparation
  - 1. Verify that newly placed concrete has cured at least 28 days and that non-compatible liquid curing materials were not used. On existing, older concrete thoroughly clean floors for

uniform penetration of all Newlook Concrete Color Stains. If membrane-forming curing compound was applied, it must be removed per manufacturer's recommendations. Areas to receive Newlook Concrete Color Stains shall be free of any coatings or films that will resist the penetration and bonding of Newlook Concrete Color Stains to the actual substrate.

2. If grease or oil residue is evident, additionally clean the surface using Newlook Concrete Degreaser to remove any oily residue that will resist the penetration and bonding of Newlook Concrete Color Stains to the actual substrate.
3. Thoroughly rinse with clean water to remove all cleaning residue. Surface shall be free of residue from cleaning materials and allowed to dry prior to application of Newlook Concrete Color Stains.
4. If surface is too dense or polished, profile and etch using Newlook Eco Acid according to Eco Acid application instructions. Rinse and clean with water to remove all residue.
5. Prepare a representative test sample of size sufficient to represent the end product, complete with Newlook Concrete Sealer. Allow sample to be reviewed and approved before beginning balance of the work.
6. Protect all surrounding landscaping and adjacent surfaces from over spray or residue run-off. Mask as required.
7. Do not allow tape of any kind to be applied to or to come in contact with the floor, prior to or after colorant has been applied.
8. Before applying Newlook Concrete Color Stains, ensure that surface temperature of the subject surface is between 50° and 90° F. Surfaces above or below these extremes may cause improper or ineffective penetration and saturation of Newlook Concrete Color Stains into the substrate.

B. Colorant Application:

1. Divide work area into smaller work sections for proper control of coverage. Plan work area so that concrete that is wet with colorant is not subject to immediate pedestrian traffic.
  2. Apply Newlook Concrete Color Stains using a Newlook Applicator Brush according to Newlook Concrete Color Stains application instructions. The large size Solid Color Stain (32 oz., 4-part kit) covers approximately 350 square feet twice. The small size Solid Color Stain (4 oz., 4-part kit) covers approximately 45 square feet twice. The large size Transparent Color Enhancer (16 oz., 3-part kit) covers approximately 300 – 600 square feet. The small size Transparent Color Enhancer (4 oz., 3-part kit) covers approximately 75 – 150 square feet.
  3. Allow manufacturer's recommended drying time after application of last coat.
- C. [After concrete has been cleaned and allowed to dry, apply sealer as recommended.]
- D. Apply Newlook Concrete Sealer in accordance with manufacturer's instructions. Generally, 24 hours.

3.2 PROTECTION

- A. Protect stained floors from construction damage until substantial completion.

3.3 MAINTENANCE

- A. Maintain floor at regular intervals per manufacturer's recommendations.

**END OF SECTION**