

## GUIDE SPECIFICATION FOR PATINA ACID STAIN: ACID STAIN FOR CONCRETE

### SECTION 03360

#### CONCRETE FINISHES

Specifier Notes: This guide specification is written according to the Construction Specifications Institute (CSI) format. The section must be carefully reviewed and edited by the Architect or Engineer to meet the requirements of the project. Coordinate this section with other specification sections and the drawings.

Specifier Notes: W. R. MEADOWS® Patina Acid Stain is used to permanently color concrete surfaces. It is available in a variety of colours and creates an antique colored finish when applied to concrete. Patina Acid Stain reacts with surface paste to permanently color the concrete surfaces and will last as long as the concrete surface remains intact. Patina Acid Stain can be used on new and old concrete as well as interior and exterior concrete surfaces.

- 1 General
- 1.1 SECTION INCLUDES
  - .1 Surface preparation.
  - .2 Application of concrete acid stain.
- 1.2 RELATED SECTIONS

Specifier Notes: Edit the list of related sections as required for the project. List other sections dealing with work directly related to this section.

- .1 Section 03300 - Cast-in-Place Concrete.
  - .2 Section 09930 - Stains and Transparent Finishes.
- 1.3 SUBMITTALS
  - .1 Comply with Section 01330 - Submittal Procedures.
  - .2 Submit manufacturer's product data and application instructions.
- 1.4 DELIVERY, STORAGE, AND HANDLING
  - .1 Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
  - .2 Store materials in a clean dry area in accordance with manufacturer's instructions.
  - .3 Store materials in a plastic container.
  - .4 Avoid direct contact with this product as it may cause irritation of the eyes and/or skin.
  - .5 Protect materials during handling and application to prevent damage or contamination.
  - .6 Avoid contact with metal surfaces.

1.5 ENVIRONMENTAL REQUIREMENTS

- .1 Do not apply concrete acid stain when air or surface temperature is below 4°C (40°F).

2 Products

2.1 MANUFACTURER

- .1 W. R. MEADOWS of CANADA, 70 Hannant Court, Milton, Ontario, Canada L9T 5C1. (800) 563-3618. Fax (905) 878-4125. Web Site [www.wrmeadows.com](http://www.wrmeadows.com).

2.2 MATERIALS

- .1 Proprietary Based Specification: Patina Acid Stain by W.R. Meadows.

Specifier Notes: Select colour of acid stain based on project requirements from one of six colour choices: Buckskin, Cinnamon, Coffee, Maligne Blue, Moss, and Pike Green. Material can be diluted up to 8:1 to allow for less intense of a colour.

3 Execution

3.1 EXAMINATION

- .1 Examine surfaces to receive acid stain. Notify Architect if surfaces are not acceptable. Do not begin surface preparation or application until unacceptable conditions have been corrected.
- .2 Ensure floor surface is not acidic, using a pH pencil.
- .3 Wash with water until floor is neutralized, prior to proceeding.

3.2 SURFACE PREPARATION

- .1 Do not acid etch concrete.
- .2 Protect adjacent surfaces not designated to come in contact with acid stain.
- .3 New Concrete
  - .1 Concrete must be cured for 28 days.
  - .2 Allow concrete to hydrate for a minimum of 24 hours prior to application of acid stain.
- .4 Existing Concrete
  - .1 Clean and prepare surfaces to receive acid stain in accordance with manufacturer's instructions ensuring that all stains, oil, and other foreign matter have been removed prior to application.

3.3 APPLICATION

- .1 Apply acid stain in accordance with manufacturer's instructions.
- .2 Apply stain with plastic pump, mop, or roller according to manufacturer's recommended coverage rates.

- .3 Ensure fizzing action is evident. Check for wax, coatings, sealers, or hardeners if this does not occur.
  - .4 Allow one hour between coats to ensure material fully reacts with concrete.
  - .5 Apply as many coats to obtain desired finish.
  - .6 Allow acid stain to dry, will result in residue on surface.
- 3.4 CLEAN UP
- .1 Flush area with water and scrub with stiff brush.
  - .2 Neutralize area with clean water and a pH neutralizer such as baking soda, or T.S.P.
- 3.5 PROTECTION
- .1 Apply acrylic sealer to protect acid stain according to manufacturer's instructions.

END OF SECTION