

CONCRETECH

Patina Stain

PRODUCT DESCRIPTION

Patina Acid Stain is a mildly acidic solution produced in eleven base colors. When they are applied to a substrate containing cement and calcium they react to produce an oxidized earth tone color in the concrete. Patina acid stain produces natural and variegated colors commonly found in slate, rock and other natural materials. Patina acid stain is not a coating and does not cover discoloration, stains or imperfections. The concrete character is highlighted producing the look of authentic, natural elements of nature. Colors produced from each of the eleven available colors are unique to each surface and vary widely over the area stained. These variegations, variances and color shifts are both natural and desirable in this coloration system.

USES

For use on all interior and exterior stamped concrete, flat work, hard steel troweled concrete and vertical surfaces.

PACKAGING

Concretech patina acid stains are available in eleven colors. Patina acid stain is packaged in 1 gallon containers.

LIMITATIONS

Inspect all surfaces to ensure that they are sound, free of chloride admixtures and is free of contaminants. Existing concrete should be at least 28 days old or in the case of polymer modified topping at least 7 days old. Surface preparation and cleaning is the most important aspect in obtaining desirable results. Do not acid wash prior to application. Remove loose material, scaling and oxidized particles from surface. Existing concrete surfaces should be scrubbed with a commercial degreaser using a red or black buffer pad on a commercial floor maintainer. Thoroughly flush all residues from cleaning process and sand the surface with 100 – 150 mesh sand paper on floor maintainer. Remove all dust residues from sanding process by washing with clean water at least twice. Surfaces that have cured differently or inconsistently will result in varying shades when patina is applied. Color may vary due to temperature, concrete age, conditions while curing, profile, finishing techniques and contaminates.

INSTALLATION INSTRUCTIONS

Complete a test panel on site for color approval prior to stain application. Apply patina with an airless pump up sprayer. Use extra care to ensure that the sprayer is all plastic and that there are no metal parts that can come in contact with the patina as this will start the chemical reaction and will result in weak or changed color. Apply patina lightly in 3 wide bands and scrub directly behind spraying operation. Scrubbing will evenly spread the patina over the surface and care should be taken not to leave excess patina at edges or joint lines. Follow up immediately with second light coat over scrubbed area. Leave no puddles and always maintain a wet edge. Applicators should be consistent in their methods, application rates, dilution and techniques. Older concrete may require higher acid concentrations while newer concrete surfaces may require lower acid concentrations. For older

concrete surfaces mix one part muriatic acid with 5 parts water and use this mixture to dilute 1 to 1 or more with patina stain. For weaker color, dilute with pure water. Do not walk on wet surface. Allow the surface to dry completely before rinsing or applying more patina. Once color has developed and surface is dry it must be vigorously scrubbed to remove excess residue. Wet the surface and scrub with the red pad on floor maintainer using Concretech's neutralizing solution. Remove scrubbed residue and rinse with clean water.

STORAGE

Store in cool area out of direct sunlight. Shelf life under normal conditions is one year. Store in sealed containers, with the lid tight and in an upright position.

PROPERTIES

As Supplied	
Color	11 Standard colors
PH	Mildly Acidic
Cure Time	4-12 Hours

SAFETY PRECAUTIONS

Caution Contains hydrochloric acid. Wear protective clothing, rubber gloves, eye protection and acid vapor mask.

Do not breath vapors. Use in well ventilated areas. Keep away from combustibles and other reactive materials and heat sources. Corrosive liquid. Can cause severe skin burns, respiratory irritation, eye irritation or blindness. Keep away from children.

First Aid: Flush contaminated areas immediately and seek medical attention. Remove contaminated clothing. Wash hands with soap and water. Flush eyes with clean water or eye wash solution. In all cases seek immediate medical attention.

TECHNICAL SERVICES

Complete technical information is available from Concretech Inc. and its authorized applicators and distributors. In house laboratory testing is available for specialty applications. Technical services available in North America call toll free 1.888.503.6780

Concretech Inc.'s sole warranty is that our products have been manufactured to meet with our written specifications. The information herein is general information to assist our customers in determining whether our products are suitable for their applications. Our products are intended for sale to commercial and industrial customers. We require customers to inspect and test our products before use and to satisfy themselves as to contents, suitability and applications. Nothing herein shall constitute any other warranty, express or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent inferred. All patent and trademark rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for incidental or consequential damages.

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104, 2567 192 Street
Surrey, BC V3S 3X1

www.concretechproducts.com

Toll Free: 1.888.503.6780
Fax: 1.604.357.1344
Tel. 1.604.210.1147