

CONCRETECH

Acid Free Patina Stain

PRODUCT DESCRIPTION

Acid Free Patina Stain is water-based solutions formulated with the mixture of inorganic and organic salts produced in eleven base colors. It contains no acid, very low corrosion on metal parts with mild smell and rated as only a mild irritant. When applied to a substrate containing cement and calcium they react with the bear concrete to produce an oxidized earth tone color. Acid Free Patina Stain produces natural and variegated colors commonly found in slate, rock and other natural materials. Acid Free Patina 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

Acid Free Patina Stains are packaged in 1 gallon.

AVAILABILITY

Acid Free Patina Stains are available in eleven colors. Test sample kits are available upon request.

LIMITATIONS

Inspect all surfaces to ensure that they are sound, free of chloride admixtures and the concrete is not sealed or waxed. Existing concrete should be at least 28 days old or in the case of polymer modified topping at least 7 days old (Acid Free Patina Stain will develop varying color intensity on newly poured concrete). 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 plain 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 Acid Free Patina Stain with an airless pump up sprayer. Apply patina lightly in 3 wide bands and scrub in 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 longer exposure to reach the desired color while newer concrete surfaces may require shorter exposure. If higher intensity colors are desired with older concrete surfaces mix one part muriatic acid with 5 parts water and use this mixture to dilute 1 to 1 or more with Acid Free Patina Stain. For lighter colors, dilute with pure water and use immediately. If stored, diluted patina will dissociate and produce corrosive materials. 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 AND HANDLING

Store in cool area approximately 20 °C (70 °F) out of direct sunlight. Shelf life under normal conditions is one year. Store in sealed polyethylene or PVC containers, with the lid tight and in an upright position. Wear protective clothing, rubber gloves, and eye protection. Do not breath vapors. Use in well ventilated areas. Keep away from combustibles and other reactive materials and heat sources.

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.

PROPERTIES

Color	11 standard colors
PH	Mildly Acidic
Cure Time	4-12 Hours

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

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