



## Fresco Stain™ Characteristics and Applications

### Description

Fresco Stains™ are penetrating, reactive stains that produce unique color effects in finished cementitious surfaces that simulate the natural shadings and aged appearance of stone or masonry. The color effect produced is unique to each stained surface and cannot be duplicated with other materials. Fresco Stain™ creates a chemical reaction within the concrete substrate. This reaction slightly etches the concrete surface to provide deeper and more permanent color.

### Basic Uses

Fresco Stain™ may be applied over smooth troweled or textured concrete, cement based overlays, vertical or horizontal concrete and masonry surfaces, artificial rock displays, water features and themed finishes. Fresco Stain™ is ideally suited for use in the Impressions™, Peretto-Espray™, ColorFlo® and Artisan Overlay™ systems.

### Composition

Fresco Stain™ is a water-based formulation containing reactive mineral compounds and proprietary admixtures. Fresco Stain™ contains no hydrochloric acid, making it more environmentally friendly.

### Colors

Fresco Stain™ is available in 8 standard colors and Fresco Stain Plus™. Refer to the Fresco Stain™ Sales Sheet LEG FRSC 05-06 for colors available. Special colors and effects can be produced by using one or more applications, blending two or more stains, or by blending the stains with Fresco Stain Plus™.

### Application

**Samples and Mock-Ups:** Provide applied material samples in the color and texture specified for the project to the architect and owners for approval prior to project start. Provide on-site, mock-up prior to project start for approval of color, texture and workmanship.

**Preparation:** Previous coatings, adhesives, sealers, or other treatments must be removed with appropriate methods prior to application of Fresco Stain™. Actual preparation methods will depend upon the substrate conditions. In general, mechanical methods, such as rotary floor machines with abrasive pads or pressure washers are recommended. Acid etching or cleaning with acids is generally not a recommended method and only used in special circumstances.

New and integrally colored concrete should be cured a minimum of 28 days prior to application of Fresco Stain™.

Insure minimal moisture retention within the concrete substrate. Presence of moisture may cause excessive darkening of Fresco Stain™ color value.

Colour-Hard™ concrete must be cured a minimum of 24 to 48 hours prior to application.

The concrete surface must be uniformly clean and dry, prior to application of Fresco Stain™. Dirty or contaminated surfaces may prevent adequate penetration and reaction of Fresco Stain™ and severely limit color results.

Floor cleaners and/or degreasers may be applied, followed by scrubbing with a floor machine. Coarse, black stripper pads should be used on the floor machine. Once floor has been scrubbed, rinse with vinegar and water to neutralize the caustics found in the degreaser. Then thoroughly flush the surface with water to remove all residue. Let the surface dry prior to application of the Fresco Stain™.

Some very dense concrete with a slick, tightly troweled surface may require mechanical preparation methods prior to applying the Fresco Stain™ to open the surface to ensure proper penetration and reaction. Surfaces requiring this type of preparation can be identified during the mock-up. Fresco Stain™ that can be easily removed during the rinsing procedure indicates that the material was not able to penetrate and react properly.

Adjacent areas and landscaping should be protected during the work process.

**Application of Stain:** Divide work area into manageable sections, utilizing natural break points such as walls, joints or other features. It is important to control wet edges to minimize overlap marking during application. Do not walk on wet stain. Use only plastic pails and hand sprayers with acid resistant plastic parts to apply Fresco Stain™. Brushes or brooms used in the application should have uncolored, acid resistant nylon bristles with medium stiffness. Rollers, mops or rotary machines are not recommended.

Thoroughly mix the Fresco Stain™ prior to use. The color value of the stain can be reduced by blending the stain with Fresco Stain Plus™. Special colors can be produced by blending two or more colors together.

Apply Fresco Stain™ by brush or sprayer. Immediately scrub Fresco Stain™ into the surface with a nylon brush. Work small areas in a circular motion. Maintain a wet edge and constant brush contact with the surface until the entire area is complete. To avoid lap marks, the reacted stain

from an existing area should not be spread into a new work area. Immediately brush out any splashes, drips or puddles on the surface.

When applying stain to a vertical surface, start at the bottom and move upward. Avoid excessive rundown and brush immediately.

A minimum of 2 coats is generally required to achieve desired results. Additional coats may be applied, to achieve a desired color or special effect. Reaction time for stain is dependent on wind, temperature and humidity. Treated surfaces should remain undisturbed for a minimum of 4 hours prior to second coat or removing residue.

When different colors are to be used in subsequent applications, the residue from the first application should be removed prior to application of the next coat.

The second or final coat of stain should then remain undisturbed for a minimum of 12–24 hours prior to removal of residue.

Rinse the residual stain from the surface with clean water, then rinse and neutralize with a blend of baking soda and water and then a final rinse with clean water.

Apply either Signature Seal VOC™, Magnum Seal™ or AquaClear VOC™ after the substrate has thoroughly dried. Consult the respective Technical Data sheets for complete instructions. Use of required, approved sealers may enhance color.

### Coverages

200 square feet per gallon (4.9 square meters per liter) per application.

### Packaging

1 gallon (3.8 liter) jugs, 4 jugs per case, 36 cases per pallet.

### Storage and Shelf Life

Keep from freezing. Store in cool, dry location. Shelf life of properly stored materials is 1 year from date of manufacture in unopened original container.

### Clean Up

Clean tools and equipment immediately after use with clean water.

### Limitations

Variations in ready mix concrete, finishing techniques and application technique will affect final appearance. A mock up/test area is always recommended.

Fresco Stain™ will not hide existing concrete discoloration, blemishes, cracks or other surface problems. Any patched area will be affected



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### *Limitations Continued...*

differently than the original concrete.

Concrete composition, porosity, age, texture and surface characteristics will affect penetration and final color results.

Extremely dense or tight surfaces may require mechanical abrasion prior to application to ensure proper penetration, reaction and durability. Extremely weathered concrete surfaces may lack the necessary chemical composition required for complete stain reaction.

Dirty or contaminated surfaces may prevent adequate penetration of Fresco Stain™ and severely limit color results.

### **Precautions**

Review material safety data sheet prior to product use and for additional information.

1. KEEP OUT OF REACH OF CHILDREN.
2. Wear protective clothing, gloves and goggles when handling and/or applying Fresco Stain™.
3. Avoid contact with skin and eyes. Flush skin and eyes with water if contact occurs.
4. Avoid ingestion of stain. If ingestion occurs, contact a poison control center immediately.

### **Warranty**

Legacy™ Decorative Concrete Systems, Inc. warrants that these products will be free from defects, and will perform as specified in the Technical Data Sheet, provided that storage, use and application of product are in accordance with manufacturer's recommendations and application instructions. The exclusive remedy of the user or buyer and the limit of the liability of this company for product proven defective shall be the purchase price paid by the user or buyer for the quantity of the Legacy™ Decorative Concrete Systems, Inc. products involved. Legacy™ Decorative Concrete Systems, Inc. shall not be liable for indirect, incidental, consequential, or special damages, whether due to breach of warranty or tort including without limitation Legacy™ Decorative Concrete Systems, Inc. .

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