SURECRETE®

ECO-STAIN™

South Carolina, USA

ECO-STAIN

Eco-Stain is the industry's only 100% water-based, environmentally friendly concrete stain for both interior and exterior surfaces. It is made from the highest-grade micronized pigments to ensure the colors in your project are UV-stable and ready for additional coatings or sealers.

- SIMPLIFIED APPLICATION
- DEPENDABLE COLOR OUTCOMES
- SIGNIFICANT TIME SAVINGS

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BENEFITS

SIMPLE AND CONSISTENT

By simply adding water to any of Eco-Stain's 31 standard colors, your project can have an endless variety of hues. You can also layer multiple colors together for exclusive color blends.

RELIABLE AND VERSATILE

All of the colors available in Eco-Stain are UV-stable and consistently perform regardless of the lime content in your project's cement.

COST AND TIME SAVINGS

Compared to acid-based stains and dyes, Eco-Stain has zero VOC and does not require the extra step of neutralizing with ammonia. This saves you time and money on the job by allowing you to stain and seal your project the same day.

Madrid, Spain

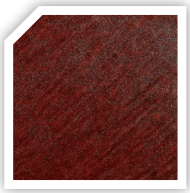
Dubai, United Arab Emirates

Ghana, Africa

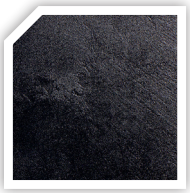
TOP COLOR CHOICES

Eco-Stain is available in 31 standard colors. Please view all color options online at: https://www.surecretedesign.com/

BEECHNUT

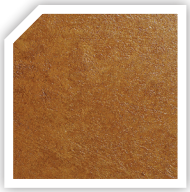


BURNT CRIMSON



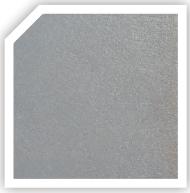
DOMINO

ESPRESSO



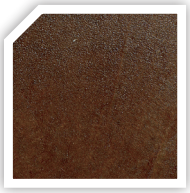
KAYAK

NAVY BLUE



PEWTER

TITANIUM GRAY



WALNUT

Four-ounce bottles are available for fast and consistent project suitability samples.

AVAILABLE AT

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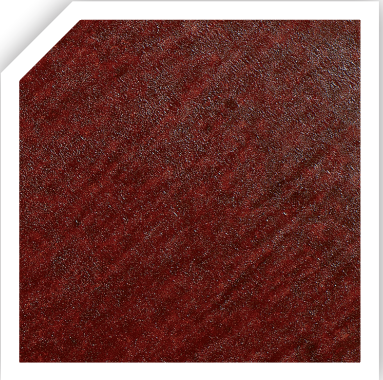
ECO-STAIN™

TOP COLOR CHOICES

BEECHNUT



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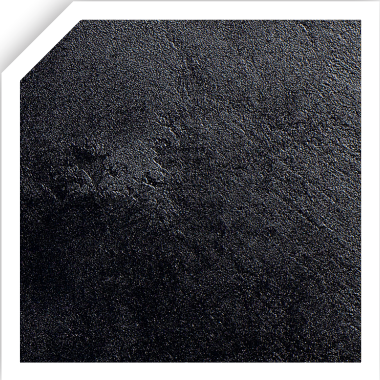

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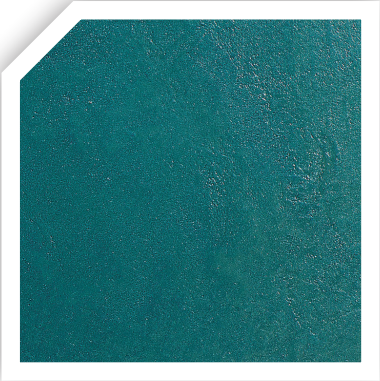

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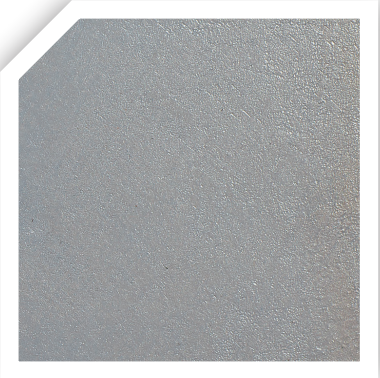

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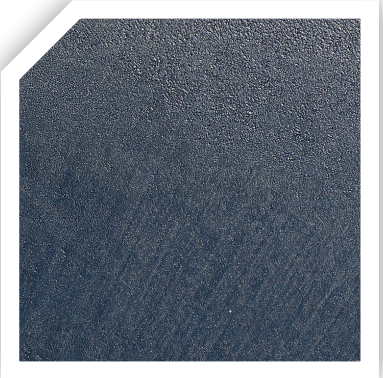

TITANIUM GRAY

WALNUT

Eco-Stain is available in 31 standard colors. Please view all color options online at: https://www.surecretedesign.com/

Note: Colors are based on grey concrete with stain applied at full strength, no dilution with two applications, and is sealed with a penetrating color enhancing sealer. SureCrete recommends the use of SCR (Super Concrete Renovator) for surface preparation preceding the application of Eco-Stain. Color samples on this chart represent the color of finish as closely as possible. Color variations may occur due to differences in cement, aggregates and methods of application.

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ECO-STAIN™
TECHNICAL DATA SHEET

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DESCRIPTION

Eco Stain™ is a semi-transparent, water dilutable, concentrated, micronized pigment for staining unsealed concrete. Zero VOC's allow for use in all areas with stringent VOC laws. Contains no polymers or acrylics. Ease of application and color dependability makes Eco Stain highly desirable when the job matters. UV stable attributes make Eco Stain ideal for all interior or exterior projects.

Typical applications for Eco Stain are concrete and concrete overlay: floors, walls, ceilings, countertops, wall panels, and other architectural elements in both residential and commercial settings. Additionally, Eco Stain can be applied to travertine, pavers and other porous surfaces.

SURFACE PREPARATION

The principles for surface preparation for Eco Stain are aligned with other coloring agents for cement-based products; the substrate must be:

1. Clean: The surface must be free of dust, dirt, oil, grease, paints, glues, sealers, curing agents, stamp tool releases, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may prevent proper absorption. Customarily SCR is appropriate for cleaning. Refer to the SCR TDS. Some cleaning may require other measures that should be evaluated (e.g. grinding, shot blasting).

2. Cured: Eco Stain is best used on cured concrete and cured concrete overlays. One may apply Eco Stain on not fully cured concrete, final color may not be realized until 14–28 days, or once the concrete is fully cured. Eco Stain may be applied to most concrete overlays in 8 hours' time, or once the surface has dried to a uniform moisture level.

3. Sound: No system should be placed on concrete or overlays that are flaking or spalling.

4. Profiled: SCR™ (Super Concrete Renovator) is utilized on every project to properly clean and profile concrete and cement-based overlays. On surfaces mechanically abraded, SCR is still recommended.

Note: Some substrates are excessively porous. Concrete and cement-based overlays that were finished poorly [not closed with a steel trowel], broomed, or are very old may absorb Eco Stain so deeply that little color, if any, is visible. On these projects, the use of Eco Prime is required. See SC Polymer TDS for details on how to make Eco-Prime).

TEMPERATURE/CURE

Eco Stain's ability to dry is based on the evaporation of the water. Hot and sunny weather will allow Eco Stain to dry faster while cool damp conditions will prolong the evaporation process. Airflow will help accelerate dry times in areas such as basements or where air flow is limited.

QUICK FACTS

PACKAGING
4 oz. Standard Color (118mL) bottle
32 oz. Concentrate (947 mL) bottle
128 oz. Concentrate (3.8 L) jug

MIX RATIO
See Mixing & Application section.

COVERAGE
200 ft.² at "standard strength" (18.6 m²) per gallon (3.8 L)

SHELF LIFE
Under normal conditions: when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened container is (12) months from the date of purchase. Storage must be under roof and off the floor. Rotate inventory to maintain the product.

MIXING & APPLICATION

Eco Stain is available in concentrate, not ready to use format. It must be diluted with water before use. Dilution rates are based upon the type of concentrate used (ie: 32 oz or 128 oz bottles). Turning Eco Stain into the "Standard" color found at https://www.surecretedesign.com/colorchart can be found on the dilution charts below. Additionally, Eco Stain can be diluted much further with water, extending coverage rates and the transparency of the stain, if desired.

Creating a "Standard" Color

Step 1. Shake Eco Stain bottle vigorously for 1 minute before use.

Step 2. Pour the desired amount of Eco Stain in a larger mixing vessel.

Step 3. Turn Eco Stain Concentrate into “Standard Color”, by adding clean water (based on the chart below).

STANDARD COLOR CHART

Eco Stain Bottle Type	Water Addition Added	Total "Standard" Color Made
32 oz.	96 oz	1 US Gal (128 oz)
128 oz	512 oz	5 US Gal's (640 oz)
4 oz Sample	N/A	4 oz

Step 4. Add a small portion of the desired water for usage, into Eco stain bottle and shake for 10 – 15 more seconds to ensure all concentrate has been dispersed. Pour into mixing vessel. Stir for 20 seconds.

Step 5. The product is ready to use as a “Standard Color”. Apply product as desired

Diluting a “Standard” Color

Step 1. Shake or stir your Eco Stain “Standard Color”.

Step 2. Measure out the desired amount of Eco Stain by oz.

Step 3. Add equal parts of clean water to the premeasured Eco Stain.

Step 4. Shake or stir product for 10-15 seconds.

Step 5. The product is ready to be used, apply the product as desired.

Based on 32oz Bottle turned into 1 Gallon of Standard Color Eco Stain

DILUTION CHART

Dilution Desired	Standard Color Eco Stain Needed	Water Addition Added	Total Volume Created
1-1	128 oz	128 oz (1 Gal)	2 US Gal’s
2-1	128 oz	256 oz (2 Gal)	3 US Gal’s
3-1	128 oz	384 oz (3 Gal)	4 US Gal’s
4-1	128 oz	512 oz (4 Gal)	5 US Gal’s
5-1	128 oz	640 oz (5 Gal)	6 US Gal’s
6-1	128 oz	768 oz (6 Gal)	7 US Gal’s
7-1	128 oz	896 oz (7 Gal)	12 US Gal’s

SLIP RESISTANCE

Eco Stain alone does not affect slip resistance, but the sealer selected to finish the project will influence this matter. Refer to SureGrip TDS and its accompanying coefficient of friction table to aid in reducing slip fall on exterior surfaces. SureFinish is used to help with interior applications, see SureFinish TDS.

CHOOSING A SEALER

Eco Stain can be sealed with penetrating sealers. Use sealers that comply with the application parameters, such as interior or exterior applications, UV fastness, and slip resistance. Suitable sealers available from SureCrete are described as follows:

Exterior Sealers

- HS 200 Series
- HS 300 Series
- Super Series

Interior Coatings

- DK 120
- DK 180
- DK 400
- DK 400WB
- DK 500
- DK 600WB

For mixing and application instructions, see the appropriate TDS for above listed choices.

SUITABILITY SAMPLE

Always prepare an adequate number of on-site test areas on the intended substrate to establish aesthetic suitability for products’ intended use.

CLEAN-UP

Eco Stain can be cleaned up with water.

DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

LIMITATIONS

- For use by trained professionals that have read the complete TDS and SDS.
- Raw material supply for the specialized pigments may vary by batch.
- Utilize the same batch of Eco Stain for entire job or “box” multiple batches for consistency.
- Eco Stain can aid in blending concrete, but will NOT hide existing concrete discoloration, blemishes, cracks or other surface problems.
- Eco Stain does not carry a sealant and should not be used as a standalone product.
- Eco Stain sees only porosity and will highlight porosity differences in the surface it is applied to.
- Eco Stain dries a few shades lighter, then when wet, to keep the color enhancement, a color-enhancing sealer or coating MUST be used.
- Hard Troweled surfaces and other surfaces in which the pores are smaller than the pigment in Eco Stain, will cause Eco Stain to dry on the surface.
- If sealer or coating comes off the concrete surface, Eco Stain will also leave as it bonded with the protective film applied.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of the purchase price, or replacement of the product (if defective), at manufactures/ seller's option. SureCrete LLC shall not be liable for the cost of labor or direct and/ or incidental consequential damages.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Inhalation: Avoid prolonged breathing of airborne dust, particularly present during mixing. Use NIOSH approved respirator for nuisance if threshold limit values are unsafe. Skin Contact: Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. Eyes: Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

SAFETY DATA SHEETS

The following are links to all available safety data sheets related to this product:

Eco Stain – SDS

MANUFACTURER PART #'S

4 oz. Bottle	SKU# 35102012
32 oz. Bottle	SKU# 35102013
128 oz. Bottle	SKU# 35102052

SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: Eco Stain
Product Description: Water Based Concrete Stain
Intended Use: Restorative / decorative coloring cement-based products

Company

Manufacturer: SureCrete Design Products, Inc.
15246 Citrus Country Drive
Dade City, FL 33523
USA
Contact: 1-352-567-7973 (telephone general)
1-800-262-8200 Chemtrec
+1 703-741-5500 Chemtrec International
info@surecretedesign.com (e-mail)
1-352-521-0973 (facsimile)

SECTION 2 Hazards Identification

In accordance with 29 CFR 1910.1200 (Hazcom 2012):

Classification: Not classified as hazardous under any GHS hazard class.

Label Elements:

Hazard Pictograms: Not Applicable
Signal Word: Not Applicable
Hazard Statements: Not Applicable
Precautionary Statements: Not Applicable
Supplemental Information: Skin may discolor due to contact with pigment.

Hazards not otherwise classified: No additional information.

SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
Non Hazardous Micronized Pigments			
Carbon Black	proprietary	ND	0 - <25%
Pigment Blue	proprietary	ND	0 - <50%
Pigment Green	proprietary	ND	0 - <50%
Red (Iron Oxide)	proprietary	ND	0 - <25%
Pigment White	proprietary	ND	0 - <50%
Yellow (Iron Oxide)	proprietary	ND	0 - <25%
Poly(ethylene Glycol)	25322-68-3	ND	<20%
Water	7732-18-5	ND	<80%

The exact percentage of composition has been withheld as a trade secret.

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SECTION 4 First Aid Measures
Eye Contact: Rinse with running water for 15 mins. Hold eyelids apart while irrigating.

Skin Contact: Wash affected area thoroughly with soap and water. Wash clothing before reuse.

Inhalation: Move to fresh air. Administer artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Get medical attention immediately. Do not induce vomiting.

SECTION 5 Fire Fighting Measures
Extinguishing Media:
Appropriate: Foam, CO2, Dry chemical, water fog
Inappropriate: Solid streams of water

Fire Fighting Procedures: Cool containers to prevent pressure buildup and possible explosion when exposed to extreme heat. Full protective equipment, including self-contained breathing apparatus required.

Unusual Fire and Explosion Hazard: Closed containers can explode due to buildup of pressure when exposed to extreme heat.

Hazardous Combustion Products: Smoke, fumes, vapors, oxides of carbon

Flammability Properties
Flash Point (Method): NA
Flammable Limits (Approximate volume % in air): LEL: none UEL: none
Auto ignition Temperature: NA

SECTION 6 Accidental Release Measures
Personal precautions: Evacuate personnel to safe areas. Ventilate area.

Environmental precautions: Prevent entry into waterways.

Methods for clean-up: Small spills may be cleaned up with paper toweling and disposed into approved container. Larger spills absorb onto sand, vermiculite, or any other inert, non-combustible material. Scoop into containers for later appropriate disposal.

SECTION 7 Handling and Storage
Handling: Avoid contact with eyes, skin, and clothing. Avoid handling of vapor or mist. Do not permit eating, drinking, smoking near material. Remove all potential sources of ignition.

Storage: Keep containers tightly closed, in dry, cool, well ventilated place. Keep out of reach of children.

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SECTION 8 Exposure Control / Personal Protection

Exposure limit values: Pertains to abrading, sanding, removing dried film
ACGIH (TWA), 5 mg/m³ (respirable fraction)
OSHA (TWA) 10 mg/m³ (fume)

Occupational exposure controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Respiratory protection: Wear suitable NIOSH approved respirator when spraying product and ventilation is inadequate.
Hand protection: Chemically compatible gloves.
Eye protection: Safety glasses with side shields.
Skin protection: Minimize skin contact with appropriate long-sleeved clothing
Hygiene measures: Observe good industrial hygienic practices. Frequently launder or discard proactive clothing, equipment.

Environmental exposure controls: Emissions from work process equipment should be checked against requirements of appropriate environmental protection legislation. In some cases, alteration to work process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9 Physical and Chemical Properties

General

Physical state: liquid
Color: varies
Odor: organic citrus

Safety Data

pH: 7.5 – 8.5
Boiling point: >100°C / 212°F
Flash point: NA
Flammable limits (approximate volume % in air): LEL: none UEL: none
Auto-ignition temperature: NA
Vapor density: heavier than air
Water solubility: NA
Specific gravity (water = 1): 1.11

SECTION 10 Stability and Reactivity

Chemical stability: Stable under normal conditions.

Conditions to avoid: Temperature extremes

Materials to avoid: None known

Hazardous decomposition products: By fire, CO and CO2

Hazardous polymerization: Will not occur

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SECTION 11 Toxicological Information
No ingredient in this product is listed as carcinogenic by IARC, NTP, or OSHA.
No LC50 or LD50 data is available

SECTION 12 Ecological Information
Eco-toxicity: This product is not expected to be hazardous to the environment.

Mobility: Not available

Persistence and degradability
Biodegradation: Not available
Atmospheric oxidation: Not available
Bioaccumulation potential: Unlikely to be significant.

SECTION 13 Disposal Considerations
Methods of disposal: This material may be safely incinerated or landfilled in accordance with federal, state, and local environmental control regulations.

Section 14 Transport Information
DOT: This product is not regulated for transport.
ARD/RID: This product is not regulated for transport.
IMDG: This product is not regulated for transport.
IATA: This product is not regulated for transport.

SECTION 15 Regulatory Information
TSCA (USA - Toxic Substance Control Act)
All components of this product are listed on the U.S. Toxic Substances Control Act Inventory (TSCA Inventory) or are exempted from listing because of low volume

SARA Title III (USA – Superfund Amendments and Reauthorization Act)
313 Reportable Ingredients:
None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986
There are chemicals present known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations)
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

SECTION 16 Other Information
Recommended restriction: for use by trained professionals, having read the complete SDS

According to Regulation (EC) No. 1907/2006 (REACH), Annex II, Commission Directive 2001/59/EC and REGULATION (EC) No. 1272/2008 (CLP)

To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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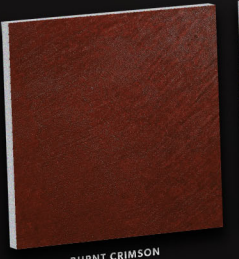

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