

WATER-BASED STAIN FOR CONCRETE

DESCRIPTION

Living Earth™ Water-Based Stain is a safe, zero VOC, UV stable, water-based penetrating concrete stain. Boring, lifeless concrete can be transformed into a multi-colored, antiqued, variegated surface. Typical applications for **Living Earth™** are cement-based floors, walls, ceilings, countertops, wall panels, and other architectural elements such as bare concrete or our G-100™, Stamp-Tek™, and Micro-Tek™ products, in both residential and commercial settings. When combining the 15 colors with varying dilution rates, a nearly limitless palate may be created.

USES

Living Earth™ Water-Based Stain is durable enough for commercial applications like restaurants, showrooms and retail spaces. Water-Based stains can also reduce surface-glare on walkways, driveways, patios, and entrances. Examples of applicable application areas include but are not limited to the following:

- Schools
- Apartments
- Homes
- Offices
- Restaurants
- Gyms
- Community Centers
- Horizontal and vertical
- Interior and exterior

LIMITATIONS

Raw material supplies for **Living Earth™ Water-Based Stains** may vary by batch due to their specialized pigments. Utilize the same batch for the entire job or “box” multiple batches for consistency. For use by trained professionals that have read and understand the complete TDS and SDS.

COLORS

Living Earth™ Water-Based Stain is available in 15 standard colors – Azure, Moss, Aspen Gold, Tawny, Buckskin, Russet, Leather, Sandalwood, Merlot, Chestnut, Buffalo, Arctic Gray, Gunmetal, Coal, Onyx.

PACKAGING

Living Earth™ Water-Based Stain is available in 4oz sample (118 mL) and one-gallon (3.785 L) sizes.

COVERAGE

One-gallon (3.785 L) undiluted of **Living Earth™ Water-Based Stain** will color approximately 200-300 square feet of concrete surface depending on application technique and/or surface conditions.

STORAGE

Store in a safe place, out of direct sunlight. Keep containers tightly sealed. DO NOT allow product to freeze. Shelf life is approximately 12 months. Storage must be under roof and off the floor. Rotate inventory to maintain product that is within limits.

CAUTION

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.

EQUIPMENT FOR APPLICATION

Sprayer: Larger applications are usually done with an HVLP or garden-type pump sprayer. Container and Brush: Used for smaller projects, a plastic tub or plastic dishpan large enough to permit easy dipping of a brush.

SURFACE PREPARATION

Concrete Coatings, Inc. strongly recommends representative jobsite samples (mock-ups should always be prepared on the same concrete as the stain is to be applied to.) Individuals who will be performing the work should test different sections of the concrete to determine suitability, coverage of the stain and final appearance

The surface of the concrete must be completely free of sealers, oils, dust, dirt, grease, glue, curing agents, paint, alkali, stamp tool release, efflorescence, chemical contaminants, rust, algae, mildew, penetrating sealers, or any foreign materials that would prevent **Living Earth™ Water-Based Stain** from penetrating the concrete surface. This product should not be placed on concrete or overlays that are flaking or spalling.

Some substrates are excessively porous. Concrete that was finished poorly (not closed with a steel trowel), broomed or very old concrete may absorb **Living Earth™** so deeply that little color, if any, is visible. In these cases, use of **Living Earth™ Primer** is required. See **Living Earth™ Primer** TDS for application details.



SURFACE PREPARATION (CONTINUED)

If the concrete surface is clean, in good condition, and has cured to a uniform, light color, no preliminary treatments are necessary. Just sweep clean and begin application of **Living Earth™ Water-Based Stain**. If the concrete surface has signs of dark moisture and alkali spotting, scrub with EZ-Prep™ and rinse well. Some cleaning may require other measures that should be evaluated (grinding or shot blasting). It is strongly recommended that a small inconspicuous section of the concrete be tested first. Be sure to let the stain DRY before deciding on the effectiveness of the stain. Protect adjacent areas from over-spray, runoff, spills, and tracking, prior to application.

While **Living Earth™ Water-Based Stain** may color cement-based products that are not cured, final color may not be realized until 14-28 days.

APPLICATION

Please Note: The color of the material in the bottle will not necessarily be the resulting color after the stain has completely colored the concrete. When using multiple bottles of stain, it is strongly advised that stain is mixed together in a large bucket to avoid color variation that may occur between bottles.

MIXING: **Living Earth™** pigments will settle. Always shake container to mix thoroughly.

DILUTION: Dilute with water to any desired strength, usually between no water dilution to approximately 4 parts water to 1-part **Living Earth™ Water-Based Stain** (4:1).

MASK: Mask all areas requiring protection. Be certain to mask to an ample height, especially if spraying.

METHODS: Due to the extreme versatility of **Living Earth™ Water-Based Stains**, there are myriad methods of application, all of which can be combined and altered to some degree. The applicator has enormous latitude in selecting methods, and will greatly affect the finished color and appearance. Common methods include:

1. Pump sprayer - Utilize a cone tip and keep sprayer wand in a circular motion to avoid wind rows.
2. Ragging, sponging, etc. - Most commonly used to accent or layer.
3. Painters' airless sprayer - Especially useful in covering large areas.
4. HVLP or gravity cup sprayer - Useful for precise placement and in accenting areas.

NOTE

Applying multiple coats is optional. Supplementary colors may be combined at desired rates.

CLEAN UP

Living Earth™ Water-Based Stain can be cleaned up with water. Discard brush or application utensils in an appropriate manor.

TEMPERATURE/CURE

Living Earth Water-Based Stain must be sealed, temperature and cure are addressed according to the selected sealer's requirements. Typically apply when surface and ambient temperatures range between 50°F (10°C) and 90°F (32°C) and will remain that temperature for 24 hours. The stain must be allowed to dry completely before sealer application.

SEALING

Living Earth™ Water-Based Stain alone does not affect slip resistance, but the sealer selected to finish the project will. All concrete must be sealed. After the concrete has been allowed to cure for 28 days and is completely dry, protect the surface with Concrete Coatings, Inc. SuperSeal™, GemKote™ and/or SuperGlaze™ sealers or Shield™ epoxies, ProTek™ polyaspartics and/or Durathane™. Please get a copy of the appropriate Technical Information and Material Safety Data Sheet before attempting to use these products. Sealing a stained surface will darken and bring out the brilliance and depth in color of a water-based stain. Different sealers may affect the intensity of a stained surface. Epoxy and solvent based sealers will bring out a deep and brilliant look while water-based sealers may have a more aged, antiqued look. Exterior surfaces or surfaces that may become wet, oily, or greasy may require extra attention. We recommend our SlipGrip™ or aluminum oxide to aid in slip resistance. Call your representative for additional details on slip resistance additives.

MAINTENANCE

The sealed surface should be inspected periodically for areas of thin or traffic-worn sealer. Reapply as needed, according to the appropriate Technical Information Sheet. DuraWax™ may be applied as a sacrificial coat on top of the seal coat. Please get a copy of the appropriate Technical Information and Safety Data Sheet before attempting to use this product.

WARRANTY

This product is not intended for public use and is intended for use by licensed contractors and installers, experienced and trained in the use of these products. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the effects or results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability. Concrete Coatings Incorporated shall not be liable for cost.

DISPOSAL

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



PLAN SPECIFICATION

Living Earth™ Water-Based Stain Suggested Short Form Specification:

All concrete surfaces designated in the plans and specifications as being water base stained, shall receive one application of Concrete Coatings, Inc. Living Earth™ Water-Based Stain in ___ color, after the concrete has cured a minimum of approximately 28 days. The surface shall be prepared and Living Earth™ Water-Based Stain applied in accordance with the Living Earth™ Technical Information Sheet, using the minimum coverage rate. All penetration stained surfaces shall be sealed with Concrete Coatings, Inc. SuperSeal™, GemKote™, and/or SuperGlaze™ sealers or UV Shield™ epoxy in accordance with their corresponding Technical Information Sheet. All products shall be manufactured by Concrete Coatings, Inc., 800-443-2871, Layton, UT.

KEEP OUT OF REACH OF CHILDREN

ORDER SPECIFICATION

Product: Living Earth™ Water-Based Stain			
Shipping Weight: 10 lbs (4.5 kg)		Container Size: 1 Gallon (3.79 L)	
Item Number:	Color:	Item Number:	Color:
WS-100	Azure	WS-200	Moss
WS-300	Aspen Gold	WS-400	Tawny
WS-500	Buckskin	WS-600	Russet
WS-700	Leather	WS-800	Sandalwood
WS-900	Merlot	WS-1000	Chestnut
WS-1100	Buffalo	WS-1200	Arctic Gray
WS-1300	Gunmetal	WS-1400	Coal
WS-1500	Onyx		

"Concrete Coatings Inc. warrants its products to be free of manufacturing defects and that they will meet Concrete Coatings Inc. current published physical properties when applied in accordance with Concrete Coatings Inc. written directions and tested in accordance with ACI, ASTM and Concrete Coatings Inc. Standards. There are no other warranties by Concrete Coatings Inc. of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Concrete Coatings Inc. shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, from any other cause whatsoever. Concrete Coatings Inc. will not be responsible for use of this product in a manner to infringe on any patent held by others. User assumes all liability and risk associated with use, selection, application and warranty of product. Concrete Coatings Inc. makes no representation as to the suitability of product for any application and/or damages of any kind directly or indirectly associated with its selection or application."

FOR THE LOCATION OF YOUR NEAREST CONCRETE COATINGS INC. REPRESENTATIVE, CALL NATIONWIDE TOLL-FREE 1-800-443-2871