



Concrete solutions for architects, engineers and builders since 1974
888-839-2661 | sales@vexcon.com | 7240 State Road | Philadelphia, PA 19135 vexcon.com

CERTI-VEX[®] AC1315 CONCRETE STAIN

ASTM C1315 TYPE II, CLASS B

COLORED ACRYLIC CURING AND SEALING COMPOUND

DESCRIPTION

CERTI-VEX AC1315 CONCRETE STAIN is a solvent based ready to use non-fading colored curing and sealing compound that quickly forms a decorative hard, dustproof, water repellent, chemical resistant film on new and existing concrete surfaces. This film hardens to a wear resistant sealer that enhances and revitalizes the appearance of new or existing concrete. Provides protection from moisture, deicing salts, staining, and other harmful environmental elements.

Certi-Vex AC1315 Concrete Stain features Vexcon's breathable technology which allows moisture vapor to pass through rather than becoming trapped, preventing whitening, peeling, and flaking. The product is ideal for both interior and exterior applications, stamped and decorative concrete, concrete pavers, stucco or brick walls, architectural sections, and colored concrete to even out color variations.

Certi-Vex AC1315 Concrete Stain will penetrate into the concrete surface to provide uniform and long lasting color, and also can be faux painted or wiped to vary the surface appearance.

BENEFITS

- Meets EPA & AIM/OTC VOC regulations
- Available in 15 standard and custom colors. See Vexcon Color Systems Chart
- Provides for complete development of concrete's wear resistance and strength properties
- Can be applied to 20°F / -7°C
- Seals and hardens surface, reducing clean-up and maintenance
- Excellent protection against staining, attack by acids and alkalis, oil, salts, cleaners, and common industrial chemicals
- Prevents efflorescence, dusting, and spalling
- Quick drying
- Corrects variations in colored concrete
- Economical decorative coating
- Decorative coating for stamped concrete floors
- Revitalizes stained or uncolored concrete
- Apply to damp surfaces without whitening or loss of adhesion
- Vexcon breathable technology

APPLICATION

- Product is supplied at the proper consistency for application and dilution will reduce efficiency and gloss.
- Thoroughly mix with a jiffy type mixer before applying.
- To improve non-slip profile, use **Certi-Vex Grip**.
- Note; product forms a surface film quickly depending on temperature, humidity, and wind conditions; therefore, for best results follow all equipment and application instructions carefully.
- Same lot numbers should be used throughout the project. If lot numbers differ, box-mix prior to use. If two different lots are used, apply a final thin coat to the entire area.

If applying by sprayer:

- Apply by low-pressure high solids commercial grade solvent resistant sprayer with neoprene fittings. (Do not use garden or form oil sprayers).
- The sprayer must be clean and dry. If cleaning with solvents is required, use **Certi-Vex Equipment Cleaner**. Clean sprayer as directed between applications to ensure best results.
- If spraying and back rolling, best application is to spray enough material that a second person can immediately back roll following the spray applicator. Follow roller instructions below. Caution; do not delay the back roll as the area will dry quickly

If applying by roller:

- For best results use Vexcon's **EvenFlow Applicator** or ¼ " nap mohair roller. Do not dip and roll or pour and spread. Dampen roller with Certi-Vex Equipment Cleaner or **Certi-Vex Coating Repair** solvent.
- Do not over-work material, apply in a single lapping motion. Do not roll area back and forth, this can cause the film to break and product to become stringy.
- Do not run roller dry; keep a wet edge and do sections, small enough to roll only once over wet material.
- Do not roll over dry material this can cause the product to become stringy. To aid in keeping roller wet and fluid, keep a roller pan filled with Certi-Vex Coating Repair.
- Over rolling or using incorrect rollers will cause bubbles to form in the coating. If this occurs on final coat, corrective procedure is to apply a light coat of Certi-Vex Coating Repair over the area. This will recast (heal) the coating and eliminate the bubbles. If this occurs on first coat, follow corrective procedure above then apply final coat.
- Material should not be allowed to puddle. Broom out or squeegee excess.
- Do not allow sealed area to become wet with water until dry. See dry times.
- Protect all areas from over spray.
- The sealer can be applied to damp surfaces; however, do not apply over puddled water.
- A uniform appearance requires even coats leaving no gaps. Some areas may be more porous than others; these areas may require additional coats to even out the appearance. Caution: Do not over-apply material. See Special Notes section.

CURING AND SEALING NEW CONCRETE

- Apply Certi-Vex AC1315 Concrete Stain to still damp freshly finished concrete as soon as the surface cannot be marred, and water sheen disappears. Do not apply over freestanding water.
- If application is delayed, concrete must be kept wet (preferably by water spray mist) until product can be applied.
- If concrete is allowed to dry, use **Certi-Vex Etch & Efflorescence Remover** to clean and prepare the surface.
- Apply first coat at 300 sq.ft/gal (7.5 m²/L). A second coat is recommended for long term durability. See Second Coat section.

SURFACE PREPARATION EXISTING CONCRETE

The concrete surface must be properly repaired, structurally sound, and cleaned. Use Vexcon's surface prep and cleaning products to properly clean the surface prior to application.

- To remove coatings such as epoxies, sealers, and curing compounds, use **Certi-Vex Concrete Stripper**.
- The concrete should be cleaned with **Certi-Vex Super Degreaser & Cleaner** to remove any dust, dirt, or debris, and allowed to dry for a minimum of 24 hours after cleaning.
- To remove efflorescence or to etch the surface for improved material penetration, use Certi-Vex Etch & Efflorescence Remover.
- There should be no freestanding water.
- Large cracks should be repaired using **PowerCoat Epoxy Joint Sealant**.

SEALING EXISTING CONCRETE

- Prior to application a test area must be performed to determine proper application rate and required surface preparation.
- To determine that the concrete is penetrable, perform a water absorbency test by applying water to a representative portion of the prepared concrete floor. A properly prepared surface when dry will immediately absorb clean water without any surface beading effects.
- If required use Certi-Vex Etch & Efflorescence Remover to improve sealer penetration. Application to still damp surfaces is acceptable however free standing water must be removed.
- Apply Certi-Vex AC 1315 Concrete Stain at 400-500 sq.ft. /gal (10-12.5 m²/L) on hard non-porous floors and 250-300 sq.ft. /gal (6.2-7.5 m²/L) on porous floors.

SECOND COAT

Apply after 1st coat has dried at 400-500 sq.ft. /gal (10-12.5 m²/L).

APPLICATION OVER CERTI-VEX AC OR STARSEAL CLEAR CURE & SEALS

Certi-Vex AC1315 Concrete Stain can be applied over Certi-Vex AC or StarSeal clear cure & seals that have previously been applied per manufacturer's instructions and are clean and well adhered. The appearance after application will be paint-like rather than stain. The existing clear sealer must be thoroughly cleaned and lightly sanded to reduce surface crawling prior to application of the stain.

TOPCOATS AND ADHESIVES

Certi-Vex AC1315 Concrete Stain concrete can be topcoated with a variety of paints, adhesives, and mastics a minimum of 14 days after application. It is recommended that a test area be applied prior to coating the entire surface since products can adhere to concrete in varying degrees. Check with manufacturer of the topcoat for any precautionary and compatibility information. Meets the requirements of the Resilient Tile Institute.

SPECIFICATIONS/COMPLIANCE

- VOC <350 gram/liter or <2.92 #/gal
- Meets:
 - US EPA AIM- Concrete Curing & Sealing Compounds
 - OTC – Concrete Curing Compounds
 - LADCO/MRPO – Concrete Curing Compounds
 - CEPA/EC – Concrete Curing Compounds
 - CARB – Concrete Curing Compounds
 - SCAQMD - Rule 1113 - Concrete Curing Compound for roads & bridges only (not for use on curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas)
- ASTM C309, Type II, Class A&B
- ASTM C1315 Type II, Class B
- AASHTO M –148
- Federal specification TT-C-800-A (GSA-FSS) Type II
- ASTM D2047 Slip Resistance Tests
- Meets OSHA / ADA non-slip requirements
- Acrylic resin USDA approved
- CSI: [03 35 00], [03 39 00], [09 93 00]

MAINTENANCE

Spills should be removed promptly and cleaned. Sealed areas should be cleaned regularly, use Certi-Vex Super Degreaser & Cleaner for all cleaning requirements. Periodic reapplication may be required as the sealer wears off.

SPECIAL NOTES

- To assist in application, note, 200 sq.ft./gallon wet film is approximately equal to the thickness of a sheet of paper.
- Will tend to show rubber burns or tire marks
- Not gasoline resistant, use **Vexcon's High Performance Coatings** products
- Mechanically mix well with a jiffy type mixer before each use.
- Do not apply more material per sq. ft. than specified.
- For use by experienced contractors.
- Application of more than two coats is not recommended.
- Prior to using this product, it is recommended to review Vexcon's Acrylic Sealer Application Guide for Concrete, Technical Note TN191, available at vexcon.com.
- Over application may lead to surface discoloration and improper sealer performance.
- Can apply when surface temperatures are 20°F - 85°F (-7°C – 29°C). When below or above these ranges, review Vexcon's Cold and Hot Weather Application Guides.
- Shelf Life: If properly stored in its original sealed container, three years from date of manufacture. Rotate your stock.
- Storage/ Handling: Store in tightly sealed original factory container. Keep from freezing and exposure to moisture. Store at room temperature prior to use. Care should be taken to keep dirt, water and contaminants away from the opening of containers.
- Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- Proper application of Vexcon material is the responsibility of the installer or user. Telephone consultation and/or field visits by Vexcon personnel are for the sole purpose of making technical recommendations only, and not for providing quality control or supervision on location.
- Warranty: All products are sold subject to Vexcon's published materials Limited Warranty and Terms and Conditions of Sale and can be changed without notice. You may view our Warranty's and Terms and Conditions of Sale at vexcon.com.

PACKAGING

Certi-Vex AC1315 Concrete Stain is available in 55-gallon drums and 5-gallon pails. Contact Vexcon to discuss your customized packaging requirements.

HEALTH AND SAFETY

CAUTION FLAMMABLE LIQUID

- Resin solution, flammable liquid, red label
- Use of respirators is mandatory when using this product in confined areas.
- Use only with adequate ventilation.
- If swallowed, do not induce vomiting.
- Use of gloves, goggles and other protective clothing is advised when using this product.

Vexcon SDS CS117 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product it is advisable to obtain a copy of the SDS from your distributor or available at vexcon.com.

CONTACT US @

Additional product information, technical assistance, and customer services are available by contacting Vexcon Chemicals directly, or our distributors.

- vexcon.com
- techservice@vexcon.com
- customerservice@vexcon.com
- sales@vexcon.com
- Voice: 888.839.2661
- Fax: 215.332.9997