



Performance Construction Chemicals

STARSEAL® 1315 CONCRETE STAIN

ASTM C-1315 TYPE II, CLASS B

EMULSIFIED COLORED CURING AND SEALING COMPOUND

VOC content: 250 gr. /liter or 2.09 #/gal. – Cure

DESCRIPTION

STARSEAL 1315 CONCRETE STAIN is a water based ready to use emulsion 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. The product is ideal for both interior and exterior applications, stamped and decorated concrete, concrete pavers, stucco or brick walls, architectural sections, and colored concrete to even out color variations. StarSeal 1315 Concrete Stain will penetrate into the concrete's surface to provide a uniform and long lasting color and also can be faux painted or wiped to vary the surface appearance. StarSeal 1315 Concrete Stain is manufactured from specially modified emulsion of vinyl toluene acrylate copolymers and contains no extenders or modifiers. Vexcon's manufacturing process ensures that the product stays homogenous and non-settling in the container. StarSeal 1315 Concrete Stain will not interfere with subsequent application of paints, tile or carpet adhesives.

BENEFITS

- Available in 15 standard and custom colors. See Vexcon Color Systems Chart
- Provides for complete development of concrete's wear resistance and strength properties
- Low odor
- Seals and hardens surface, reducing clean-up and maintenance
- Excellent protection against staining, attack by alkali, oil, cleaners and common industrial chemicals
- Prevents efflorescence, dusting and spalling
- Quick drying
- Excellent base for adhesives
- Recoatable and paintable
- Economical decorative coating
- Decorative coating for stamped and concrete floors
- Revitalizes old, stained or uncolored concrete
- Apply to damp surfaces without whitening or loss of adhesion
- Low moisture transmission rate, breathable

APPLICATION

Product is supplied at the proper consistency for spraying, and dilution will reduce efficiency. Mechanically mix, drill or jiffy mixer prior to each application and before using or placing in clean spraying equipment reservoir. Apply by low-pressure high solids commercial grade sprayer with neoprene fitting. The sprayer must be clean, dry and free of solvents. If cleaning with solvents is required, use **Certi-Vex® Equipment Cleaner** and flush thoroughly with water before use. Clean sprayer as directed between applications to ensure best results. If sprayer is not available, use a brush or short ¼" roller. If using a roller or applicator, do not overwork the material. Overworked material can become stringy and gum up. Coat uniformly leaving no gaps, slips or excess. Material should not be allowed to puddle. Same lot numbers should be used throughout the project. If lot numbers differ, box mix prior to use. To protect the sealed floor from ongoing construction dust, dirt and debris, use **Certi-Vex® Talc Release**, data sheet #OP132 until all construction work is completed. Use **Certi-Vex® Grip**, data sheet #OP115 to improve non-slip profile.

SEALING EXISTING CONCRETE

To provide long term protection, apply to surfaces that are properly repaired and structurally sound and cleaned of all dirt, oil, grease and foreign matter. Use one of **Vexcon's concrete cleaners and stain removal products** to properly clean the surface prior to application. Use **Certi-Vex® Concrete Stripper** to remove old sealers, grease, dirt, curing compounds, adhesives, floor waxes and many urethanes and epoxies. 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 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 StarSeal 1315 Concrete Stain at 400-500 sq.ft/gal. (10-12.5m²/L) on hard non-porous floors and 250-300 sq.ft/gal. (6.2-7-5m²/L) on porous floors. A second coat is recommended for long term durability and gloss. See Second Coat section.

CURING AND SEALING NEW CONCRETE

Apply StarSeal 1315 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® Concrete Etch & Efflorescence Remover** to clean and prepare the surface. Apply first coat at 300 sq.ft/gal (7.5m²/L). A second coat is recommended for long term durability. See Second Coat section.

APPLICATION OVER CERTI-VEEX® AC OR STARSEAL® CLEAR CURE & SEALS

StarSeal 1315 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.

SECOND COAT:

After application of the first coat a second coat may be applied when the surface has dried. Apply second coat at 400-500 sq.ft. /gal (10-12.5 m²/L).

TOPCOATS AND ADHESIVES

StarSeal 1315 Concrete Stain concrete can be topcoated with a variety of paints, adhesives and mastics a minimum of 14 days after application. It is strongly suggested 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.

SPECIAL NOTES

- To assist in application please 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 **Powercoat® GR**
- Mix well before use
- Do not apply more material per sq. ft. than specified
- Keep from freezing
- For horizontal surface only. For vertical, use **StarSeal® EMV Concrete Stain**
- Application of more than two coats is not recommended
- Over application may lead to surface discoloration and improper sealer performance
- Can apply when surface temperatures are 40° F - 85° F, when below or above these ranges review Vexcon's Cold and Hot Weather Application Guides
- If properly stored in its original sealed container, two years from date of manufacture. Rotate your stock
- For use by experienced professionally trained applicators

SPECIFICATIONS/COMPLIANCE

- Meets EPA and AIM VOC regulations
- ASTM C 309, Type II, Class A&B
- ASTM C 1315 Type II, Class B
- AASHTO M -148
- Federal specification TT-C-800-A (GSA-FSS) Type II
- ASTM D 2047 Slip Resistance Tests
- USDA and ADA non-slip requirements
- VOC compliant 250 gr. /liter or 2.09 #/gal. – Cure Test reports and certifications are available upon request.

MAINTENANCE

Spills should be removed promptly and cleaned with a high quality commercial detergent. Floors should be cleaned regularly. Periodic reapplication may be required as the sealer wears off.

PACKAGING

StarSeal 1315 Concrete Stain is available in 55-gallon drums and 5-gallon pails. Contact Vexcon to discuss your customized packaging requirements.

PHYSICAL PROPERTIES

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| • Color | 15 standard colors |
| • Solids | 25% minimum |
| • Dry - tack free | 25 minutes |
| • Foot traffic | 24 hours |
| • Vehicle traffic | 72 hours |

Note: All calculations based upon 68-77° F (20-25° c). Lower temperatures and relative humidity will extend dry times.

HEALTH AND SAFETY

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

Vexcon MSDS #CS110 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 product, it is advisable to obtain a copy of the MSDS from your distributor or by contacting Vexcon Chemicals.

CONTACT US @

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

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