VEXCON CHEMICALS, INC.
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® AC 1315 SUPER SEAL FLAT

NON YELLOWING • LONG LASTING • LOW VOC • NON GLOSSY

DESCRIPTION

CERTI-VEX AC1315 SUPER SEAL FLAT is a stabilized styrene acrylic co-polymer based non-yellowing curing and sealing compound that is tough, chemical resistant, water repellent, dustproof, long lasting and non-glossy. Ideal for applications where a non-yellowing semi-gloss matte appearance is desired on horizontal or vertical concrete masonry, stamped and decorative concrete surfaces.

Certi-Vex AC1315 Super Seal Flat is formulated from styrene acrylic co-polymer resins specially manufactured in-house to yield a non-yellowing film. Independent lab analysis confirms that the product's non-yellowing characteristics outlast and out perform competitive products and equals the performance of pure acrylic systems.

Certi-Vex AC1315 Super Seal Flat features Vexcon's breathable technology which allows moisture vapor to pass through rather than becoming trapped, preventing whitening, peeling, and flaking. Meets the requirements of the Resilient Tile Institute and the Tile Adhesion Test Requirements of ASTM C1315.

BENEFITS

- Non-gloss appearance
- Non-Yellowing - Surface remains clear
- Provides for complete development of concrete's wear resistance and strength properties
- Seals and hardens surface, reducing clean up and maintenance
- Excellent stain protection against attack by alkali, oil, salt, cleaners, and common industrial chemicals
- Prevents efflorescence, dusting, and spalling
- Vexcon breathable technology
- Apply to damp surfaces without whitening or loss of adhesion

RECOMMENDED FOR

Ideal for both interior and exterior applications on new and existing concrete floors, stucco or brick walls, architectural sections, and vertical poured walls.

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 **StarSeal® EF Concrete Stripper.**
- The concrete should be cleaned with **StarSeal EF 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 **StarSeal EF Safe Etch.**
- There should be no freestanding water.
- Large cracks should be repaired using **PowerCoat® Epoxy Joint Sealant.**

APPLICATION

- Product is supplied at the proper consistency for application and dilution will reduce efficiency and gloss.
- Thoroughly mechanically mix before each use.
- 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.

If applying by sprayer:

- Apply by low-pressure 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.
- Use a roller pan to take off excess product. Do not dip and roll, or pour and spread.
- 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 Equipment Cleaner**.
- 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.
- Do not allow sealed area to become wet with water until dry. See dry times.
- Protect all surrounding 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.

SECOND COAT

Apply after 1st coat has dried at 400-500 sq.ft./gal (10-12.5 m^2/L).

CURING AND SEALING NEW CONCRETE

- Apply Certi-Vex AC 1315 Super Seal Flat 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 concrete is allowed to dry use StarSeal EF Safe Etch to clean and prepare the surface.
- Apply first coat at 300 sq.ft/gal (7.5 m^2/L). A second coat is recommended for long term durability. See Second Coat section.
- If application is delayed, concrete must be kept wet (preferably by water spray mist) until product can be applied.

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 StarSeal EF Safe Etch to improve sealer penetration.
- Application to still damp surfaces is acceptable; however, free standing water must be removed.
- Apply first coat of Certi-Vex AC 1315 Super Seal Flat at 400-500 sq.ft./gal (10-12.5m^2/L) on hard non-porous floors and 250-300 sq.ft./gal (6.2-7.5m^2/L) on porous floors.

VERTICAL APPLICATION

- Begin applications from the highest point.
- Apply a significant amount of product to completely absorb and cover the surface area and to allow a run down of 12".
- Succeeding passes must lap the previous run down. Do not over apply.
- Check dried area for absorption and apply a second coat if necessary.
- Do not allow film to build on surface. Coverage depends on porosity, 100-300 sq./ft./gal.

TOPCOATS AND ADHESIVES

Certi-Vex AC 1315 Super Seal Flat cured concrete can be top coated 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.

SPECIFICATIONS/COMPLIANCE

- VOC Content: <350 grams/liter or < 2.92 #/gal
- Meets the following clean air standards:
  - US EPA AIM - Concrete Curing & Sealing Compounds
  - OTC - Waterproofing Concrete/Masonry Sealers and Concrete Curing Compounds
  - LADCO/MRPO - Concrete Curing Compound
  - CEPA/EC- Concrete Curing Compound
  - CARB - Concrete Curing Compound
  - 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 1 Class A&B
- ASTM C1315 Type 1, Class A
- USDA approved
- Meets OSHA/ADA non-slip under ASTM D2047
- Meets Resilient and Ceramic Tile Institute specification for subsequent flooring applications.
- CSI: 03 39 00

SHORT SPECIFICATION

03 39 00: Basis of design, Low VOC non glossy solvent based acrylic curing and sealing compound. VOC content less than 350 grams/liter shall conform to ASTM C-309 Type 1 and ASTM C-1315 class A with minimum 25% solids content as manufactured by Vexcon Chemicals.

PHYSICAL PROPERTIES

• Wet appearance	Water white	• Dry appearance	Clear
• Dry to touch	20-25 min	• Dry - tack free	30-45 min
• Foot traffic	1 hour	• Vehicle traffic	Overnight

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

SPECIAL NOTES

- To assist in application note, 200 sq.ft/gal wet film is approximately equal to the thickness of a sheet of paper.
- Will tend to show rubber burns or tire marks
- Will cause bleeding of bituminous surfaces
- May enhance mottling of colored surfaces
- Not gasoline resistant use PowerCoat High Performance Coatings products
- Application of more than two coats is not recommended
- Over application may lead to surface discoloration and improper sealer performance
- Mix well before each use.
- Do not apply more material per square foot than specified.
- 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.
- Can apply when surface temperatures are 40°F - 85°F (4°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.
- For use by experienced contractors.
- 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

Available in 55-gallon drums and 5-gallon pails.

VITAL STATISTICS

• Flash Point (TCC)	>4.4ºC (40º F)
• Boiling Point	98ºC (208º F)
• Auto ignition Temp	518º C (964º F)
• Extinguishing Media	Foams, Dry Chemical, C02, Water Fog

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.

MSDS CS134 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 obtain a copy of the MSDS from your distributor or visit vexcon.com

CONTACT US @

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

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