

CERTI-VEX® AC 1315 SUPER SEAL

NON YELLOWING • LONG LASTING • LOW VOC

DESCRIPTION

CERTI-VEX AC 1315 SUPER SEAL is a ready to use low VOC solvent based curing and sealing compound for new and existing concrete surfaces. Certi-Vex AC 1315 Super Seal leaves a clear hard protective coating and is an excellent cure material for long term concrete performance. Certi-Vex AC 1315 Super Seal provides good protection from the damaging effects of water penetration and staining. It also will enhance the color and impart an attractive gloss to colored and natural concrete surfaces.

Certi-Vex AC 1315 Super Seal feature Vexcon's breathable technology which allows moisture vapor to pass through rather than becoming trapped, preventing whitening, peeling and flaking.

BENEFITS

- Low VOC <350 grams/liter
- Provides for complete development of concrete's wear resistance and strength properties
- Non-yellowing
- Apply to damp surfaces without whitening or loss of adhesion
- Seals and hardens surface, reducing clean-up and maintenance
- Good protection against staining, attack by alkali, oil, cleaners, water penetration and common industrial chemicals
- Prevents efflorescence, dusting and spalling
- Easy to apply
- Fast drying
- Vexcon breathable technology
- Apply to temperatures as low as 20° F (-6° C)

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**.

TOPCOATS AND ADHESIVES

Certi-Vex AC 1315 Super Seal cured concrete can be top coated with a variety of paint, 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.

APPLICATION

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

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** then flush with water. 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 m²/L).

CURING AND SEALING NEW CONCRETE

- Apply Certi-Vex AC 1315 Super Seal 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 m²/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 Certi-Vex AC 1315 Super Seal at 400-500 sq.ft./gal (10-12.5 m²/L) on hard non-porous floors and 250-300 sq.ft./gal (6.2-7.5m²/L) on porous floors.

MAINTENANCE

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

SHORT SPECIFICATION

03 39 00: Basis of design. Low VOC 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.

SPECIFICATIONS/COMPLIANCE

- VOC Content: <350 grams/liter or < 2.92 #/gal
- Meets the following clean air standards:
 - US EPA AIM - Concrete Curing and Sealing Compounds
 - OTC - Waterproofing Concrete/Masonry Sealers & Concrete Curing Compounds
 - LADCO/MRPO - Waterproofing Concrete Masonry Sealers & Concrete Curing Compounds
 - CEPA/EC - Waterproofing Concrete Masonry Sealers & 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 C 309 Type 1 Class A&B
- ASTM C 1315 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

PHYSICAL PROPERTIES

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

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 **Vexcon's 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, 5-gallon pails and 1 gallon containers.

VITAL STATISTICS

- | | |
|-----------------------|--|
| • Flash Point (TCC) | >4.4°C (40° F) |
| • Boiling Point | 98°C (208° F) |
| • Auto ignition Temp | 518° C (964° F) |
| • Extinguishing Media | Foams, Dry Chemical, CO ₂ , 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 CS130 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 |