



STARSEAL® 1315 BEADING FLAT

VOC ACRYLIC EMULSION CONCRETE CURING AND SEALING COMPOUND
NON-YELLOWING • HIGH SOLIDS FORMULATION • NON GLOSSY

VOC content: 285 gr./liter or 2.38 #/gal. – Cure

DESCRIPTION

STARSEAL 1315 BEADING FLAT is stabilized styrene acrylic co-polymer water based non-yellowing curing, sealing, compound that is tough, chemical resistant, water repellent, dustproof, long lasting and non-glossy. A surface coated with StarSeal 1315 Beading Flat will bead water much like a freshly waxed car. The product is designed for use on vertical and horizontal exterior and interior above and below grade architectural concrete and masonry.

StarSeal 1315 Beading Flat is formulated from styrene acrylic co-polymer resin emulsions specially manufactured in-house to yield a non-yellowing film. Independent lab analysis confirms that the product's non-yellowing characteristics out last and out perform competitive products and equals the performance of pure acrylic systems. Easily applied StarSeal 1315 Beading Flat quickly forms a hard clear film. The product is ideal for both interior and exterior applications on new and existing concrete floors, stucco or brick walls, architectural sections, retarded concrete and vertical cast walls. It is also an excellent base coat for paints, tiles adhesives and carpet, meeting the requirements of the Resilient Tile Institute and the Tile Adhesion Test Requirements of ASTM-C 1315.

BENEFITS

- Beads water on masonry and brick
- Complies with VOC regulations
- Contains less than 7% solvent
- Provides for complete development of concrete's wear resistance and strength properties
- Non-yellowing. Surface remains clear
- Seals and hardens surface, reducing clean up effort and construction stains
- Excellent stain protection against attack by alkali, oil, cleaners and common industrial chemicals
- Prevents efflorescence, dusting and spalling
- Low moisture vapor transmission rate, breathable
- Quick drying
- Excellent base for adhesives
- Re-coatable and paintable
- Non-gloss appearance
- Apply to damp surfaces without whitening or loss of adhesion
- Low maintenance

APPLICATION

Thoroughly mix by mechanical means, drill or jiffy mixer, prior to each use. Apply by low-pressure high solids commercial grade sprayer with neoprene fitting. If not available use a brush or short 1/4" roller. Coat uniformly leaving no gaps, slips or excess. Do not add thinner. Product is supplied at the proper consistency for spraying and dilution will reduce efficiency.

VERTICAL: Apply StarSeal 1315 Beading Flat directly from container with brush, short 1/4" nap roller or sprayer. 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 inches. 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.

CURING AND SEALING NEW CONCRETE

Apply StarSeal 1315 Beading 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 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 (7.5 m²/L). A second coat is recommended for long term durability. See Second Coat section.

SEALING EXISTING CONCRETE

To provide long term protection apply to surfaces that are structurally sound, porous to allow for penetration, 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, epoxies, urethanes, adhesives, curing compound and floor waxes. 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 StarSeal 1315 Beading Flat 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. A second coat is recommended for long term durability and gloss. See Second Coat section.

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).

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.

SPECIFICATIONS/COMPLIANCE

- Meets EPA and AIM VOC regulations
 - ASTM C 1315 Type 1, Class A.
 - ASTM C 309, Type 1, Class A&B
 - Federal specification TT-C-800-A (GSA-FSS) type 1.
 - Passes 300 hours U.V. resistance as measured by ASTM method G 53.
 - VOC compliant: 285 gr./liter or 2.38 #/gal. – Cure
- Test reports are available upon request.

TOPCOATS AND ADHESIVES

Concrete cured with StarSeal 1315 Beading Flat can be topcoated with a variety of paints, adhesives and mastics a minimum of 28 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. Concrete cured with StarSeal 1315 Beading Flat is typically topcoated without incident, however, it is advisable to check with the manufacturer of the topcoat for any precautionary and compatibility information.

SPECIAL NOTES

To assist in application, please note, 200 sq.ft./gal (5 m²/L) is approximately equal to the thickness of a sheet of paper.

- Will tend to show rubber burns
- Will cause bleeding of bituminous surfaces
- May cause mottling of colored surfaces
- Not gasoline resistant. Use Vexcon **Powercoat® GR**.
- Mix well before use.
- Do not apply more material per sq.ft. than specified
- 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.
- Over application may lead to surface discoloration and improper sealer performance.
- Application of more than two coats is not recommended.
- If properly stored in its sealed container, two years from date of manufacture. Rotate your stock.
- For use by experienced professionally trained applicators

PACKAGING

StarSeal 1315 Beading Flat is available in 55-gallon drums and 5-gallon pails. Contact Vexcon for customized packaging options.

VITAL STATISTICS

- Flash Point(TCC): >200° F (96° C)
- Boiling Point: 212° F (100°)
- Autoignition Temp: ND
- Extinguishing Media: Foam, dry chemical, CO₂, water may be used to reduce the rate of burning and for cooling containers.

PHYSICAL PROPERTIES

Wet appearance:	Milky white
Dry appearance:	Clear
Dry to touch:	25 minutes
Dry tack free:	65 minutes
Foot traffic:	24 hours
Vehicle traffic:	72 hours
Solids:	25% minimum

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 #PS110 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using product, it is advisable to obtain a copy of the MSDS, #PS110, 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.

- www.vexcon.com
- TechnicalService@vexcon.com
- CustomerService@vexcon.com
- Sales@vexcon.com
- Voice: 888.839.2661
- Fax: 215.332.9997