

# StarSeal<sup>®</sup> EF

ECO-FRIENDLY PRODUCTS

## STARSEAL<sup>®</sup> EF EPOXY

BREATHABLE • ECO-FRIENDLY • LONG LASTING

### DESCRIPTION

StarSeal EF Epoxy floor coating is engineered to deliver superior performance and value for a wide range of environments in one easy system. This protective and decorative breathable coating is extremely tough, providing excellent resistance to damage from wear, abrasion, impact and chemical attack. StarSeal EF Epoxy system forms a waterproof, seamless, and breathable attractive surface that is highly durable, long-lasting and easy to clean and maintain.

Colored flakes can be broadcast to produce flooring that is both aesthetically pleasing and durable.

All StarSeal EF epoxies feature Vexcon's breathable technology which allows moisture vapor to pass through rather than becoming trapped, preventing whitening, blistering, loss of adhesion (peeling) and flaking.

### BENEFITS

- Extremely durable
- Best chemical resistance including common acids, alkalis, solvents and salts
- Maximum hardness and adhesion
- Attractive, uniform appearance
- Available in clear gloss and semi-gloss/matte, concrete and french gray and custom colors.
- Vexcon's breathable technology
- Cures with minimum shrinkage or loss in film thickness
- Waterproofs and protects
- Apply to fresh concrete for fast track project completion

### STARSEAL EF

StarSeal EF products are high performance building materials that are dedicated to reducing their environmental foot print by improving the environmental performance of buildings, the air quality of its inhabitants and reducing the effects of volatile organic compounds (VOC's) on the environment.

### ECO-FRIENDLY ATTRIBUTES

- Low odor
- Low VOC content
- LEED points
- Safe to use
- Safe to store

### LEED INFORMATION

- LEED NC category/points: For detailed information visit [vexcon.com/green](http://vexcon.com/green).
- EQ 4.2 – 1 point
- MR 5.1/5.2 – 1 point

### RECOMMENDED FOR

Commercial, industrial, institutional and decorative applications where a breathable, durable chemical and abrasion resistant aesthetically pleasing floor is desired.

### INSTRUCTIONS FOR USE

Before using this product, refer to product use information at EFCP 110 (a) for detailed product application instructions. Contact Vexcon technical service for any product application questions.

### SHORT SPECIFICATIONS

09 96 56: Low VOC breathable 2 component epoxy coating. VOC content less than 192 grams/liter (clear), 150 grams/liter (pigmented). Meets ASTM D 1653 3.30 perms. Manufactured by Vexcon Chemicals.

### SPECIFICATIONS/COMPLIANCE

VOC – 192 grams/liter or 1.60#/gal (Clear)  
VOC – 150 grams/liter or 1.25#/gal (Pigmented)

- Meets:
  - USEPA AIM-Industrial Maintenance Coatings
  - OTC- Industrial Maintenance Coatings
  - CARB- Industrial Maintenance Coatings
- USDA requirements for paints and coatings for use in federally inspected meat and poultry plants.
- ASTM E 84 Standard test for surface burning of bldg. mtrls.
- ASTM D 4541 Standard test for pull off strength of coatings
- ASTM G 53 Standard practice for UV exposure
- ASTM D 4060 Standard test for abrasion resistance
- ASTM D 2240 Standard test for shore hardness
- ASTM D 3363 Standard test for film hardness
- ASTM D2047 Standard test for coefficient of friction
- CSI reference: 09 96 56

### IMMERSION TESTING

StarSeal EF Epoxy can be immersed in the following chemicals. Recommended coverage rates must be followed and no pinholes or voids in the coating. Two coats Powercoat @ 150sq.ft./gallon are recommended.

<u>CHEMICAL</u>	<u>30 DAY RATING</u>	<u>CHEMICAL</u>	<u>30 DAY RATING</u>
25% Caustic (NaOH)	No effect	Gasohol	No effect
25% Sodium Chloride	No effect	Water	No effect
Skydrol 500B-4	No effect	Brake Fluid	Loss of gloss
15% Muriatic Acid	No effect	Acetone	Loss of gloss
Anti Freeze Ethylene Glycol	No effect		

For other chemical resistance, contact Vexcon Chemicals

### BREATHABILITY TESTING

ASTM D 1653 3.30 perms

ASTM F 1869 3.0#/1000sq.ft./24 hrs. vs uncoated of 27#/1000sq.ft./24hrs.

### CONTACT US @

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

- [vexcon.com](http://vexcon.com)
- [technicalservice@vexcon.com](mailto:technicalservice@vexcon.com)
- [customerservice@vexcon.com](mailto:customerservice@vexcon.com)
- [sales@vexcon.com](mailto:sales@vexcon.com)
- Voice: 888.839.2661
- Fax: 215.332.9997

### WARRANTY

Vexcon warrants that the goods supplied hereunder shall be of its standard quality and shall conform in all material respects to the sample which has been made available for testing by buyer prior to sale. As the EXCLUSIVE REMEDY for any breach of this Limited Warranty, Vexcon shall replace nonconforming goods or refund the purchase price. Since methods of use and application are beyond Vexcon's control, this Limited Warranty IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY IS ALSO IN LIEU OF ANY OTHER POSSIBLE LIABILITIES OF VEXCON, WHETHER ALLEGED TO ARISE BY AGREEMENT OR BY OPERATION OF LAW, RESPECTING THE SALE, APPLICATION, USE OR FUNCTION OF VEXCON'S PRODUCTS, INCLUDING BUT NOT LIMITED TO CLAIMS OR NEGLIGENCE, GROSS NEGLIGENCE, STRICT LIABILITY OR ANY OTHER TORT. IN NO EVENT SHALL VEXCON BE LIABLE FOR PERSONAL INJURY OR PROPERTY DAMAGE, REAL OR PERSONAL, ATTRIBUTED TO ITS PRODUCTS, NOR FOR ANY EXCAVATION, REMOVAL, REAPPLICATION, DOWN TIMES, CLEANUP, LOSS OF USE, LOSS OF OPPORTUNITY, LOSS OF MARKET VALUE, LOSS OF RENTAL VALUE OR FOR ANY LOSS OF PROFITS OR OTHER SPECIAL, INCIDENTAL, RESULTING, CONSEQUENTIAL OR EXEMPLARY DAMAGES.

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