



STARSEAL® EF WEATHER SEAL

COST EFFECTIVE • ECO-FRIENDLY • LOW ODOR

DESCRIPTION

StarSeal EF Weather Seal is a silane based fully penetrating protective water repellent treatment. StarSeal EF Weather Seal will penetrate deeper and impart a greater amount of reactive material into the surface providing greater protection than comparable silicone based products.

StarSeal EF Weather Seal provides better long term protection against salt corrosion, deicing chemicals, mildew, water, wind driven rain, airborne contaminants surface spalling from freeze/thaw cycles and other harsh weather conditions.

BENEFITS

- Extends the life of concrete and masonry surfaces
- Reduces corrosion of rebar and surface erosion in reinforced concrete
- An effective chloride screen.
- Prolongs the surface life and prevents damage from within by maintaining vapor permeability of concrete
- Excellent water repellency.
- Can be applied to concrete surfaces that are slightly damp
- Suitable for alkaline concrete surfaces
- Horizontal and vertical surfaces
- Does not alter natural surface texture or appearance

STARSEAL EF

StarSeal EF products are high performance building materials that are dedicated to reducing their environmental footprint 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
- Packaged in recyclable containers

LEED INFORMATION

- LEED NC category/points: For detailed information visit vexcon.com/green.
 - EQ 4.1 – 1 point
 - MR 2.1/2.2 – 1 point
 - MR 5.1/5.2 – 1 point

RECOMMENDED FOR

Commercial applications: Commercial and industrial buildings, masonry, stone (natural and manufactured) pavers, brick and block.

EXCLUSIVE PROTECTIVE COLLOID EMULSION TECHNOLOGY

StarSeal water repellents are produced with Vexcon's proprietary protective colloid emulsion technology. This technology prevents premature hydrolysis of the silane with the water used as a carrier in the emulsion. Premature hydrolysis is a process that reduces the effectiveness of water repellents.

SHORT SPECIFICATION

07 19 16: Low VOC water repellent. VOC content less than 91 grams/liter. Meets or exceeds NCHRP 244 series IV test, reducing water and salt penetration by minimum 76%. Five year warranty. Manufactured by Vexcon Chemicals.

PACKAGING

Available in 55-gallon drums, 5-gallon pails and 1 gallon containers. Our packaging is recyclable type 2 high density polyethylene (HDPE).

INSTRUCTIONS FOR USE

Before using this product, refer to product use information for detailed product application instructions. Contact Vexcon technical service for any product application questions.

SPECIFICATIONS/COMPLIANCE

StarSeal EF Weather Seal has been tested according to the most current test procedures in the industry. Testing includes water absorption/ repellency ratings, penetration and salt spray resistance. Results are listed below and independent test reports are available on request.

- VOC – 91 grams/liter or 0.76#/gallon
 - Meets:
 - USEPA AIM-Waterproofing Sealers and Treatments
 - OTC-Waterproofing Sealers
 - CARB-Waterproofing Sealers, Concrete, Masonry
 - SCAQMD-Rule #1113-Waterproofing Sealers, Concrete/Masonry
- Chloride screen test using NCHRP 244 series IV (1 application at 125 sq.ft./gal.) min 76%
- Reduces water absorption (ASTM C 67 and ASTM C 140) by greater than 83%.
- Scale rating-ASTM C 672-84: 75 freeze thaw cycles-0 (no scaling).
- Penetration (1 application) .16" avg., depending on substrate
- Moisture Vapor Permeability 101%
- ASTM 2047 – Case Lab Report #6335 coefficient of friction .84 average – minimum required .50
- Efficiency test-StarSeal EF yields 210% more silane than alcohol based products.
- CSI Reference: 07 19 16

CONTACT US @

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

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- technicalservice@vexcon.com
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- customerservice@vexcon.com
- 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. No person is authorized by Vexcon to assume for it any other liability of any kind in connection with the sale or use of products manufactured and sold by it, and there are no oral agreements or warranties collateral to or affecting any sale or use. All of the foregoing arises under the substantive law of Pennsylvania without regard to principles of conflicts of laws.