



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 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
- 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.

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.

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.

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 <100 grams/liter or <0.83#/gallon
Meets:
 - US EPA AIM-Waterproofing Sealers and Treatments
 - OTC - Waterproofing Concrete/Masonry Sealers
 - LADCO - Waterproofing Concrete/Masonry Sealers
 - Canada - Waterproofing Concrete/Masonry Sealers
 - CARB - Waterproofing Concrete/Masonry Sealers
 - SCAQMD - Rule #1113 - Waterproofing Concrete/Masonry Sealers
- Meets & Exceeds NCHRP 244 Series II & IV
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 - Water Loss Reduction, coated samples, 14 days/50% RH >80%
 - Water Loss Reduction, coated samples, 21 days/15% UV >80%
 - Reduction of Chloride Penetration into concrete, (0-1"- Coated >80%, - UV >90%), (0-2"- Coated >90%, - UV >80%)
- NCHRP 244 Series II & IV
 - Reduces water absorption (ASTM C67 and ASTM C642) by >80%.
- ASTM C672 Scale rating - 50 freeze thaw cycles-0 (no scaling).
- Penetration (1 application) 0.150 -0.26", depending on substrates.
- ASTM E96 - Water Vapor Permeability >90%.
- ASTM D2047 - Coefficient of friction 0.84 average – minimum required 0.50.
- CSI reference: 07 19 16