



STARSEAL® EF WEATHER SEAL 100

MAXIMUM PROTECTION • ECO-FRIENDLY • WATER REPELLENT

DESCRIPTION

StarSeal EF Weather Seal 100 is a breathable 100% silane based fully penetrating protective water repellent treatment. StarSeal EF Weather Seal 100 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 100 provides maximum long term protection against salt corrosion, deicing chemicals, mildew, water, wind driven rain, airborne contaminants, surface spalling from freeze/thaw cycles and other extreme weather conditions.

BENEFITS

- Extends the life of concrete and masonry
- Maximum long term protection against salt corrosion, deicing chemicals, mildew, water, wind driven rain, airborne contaminants, surface spalling from freeze/thaw cycles and other extreme weather conditions
- Reduces corrosion of rebar and surface erosion in reinforced concrete
- An effective chloride screen
- Contains long alkyl silane groups especially suitable for alkaline concrete surfaces
- Prolongs the surface life and prevents damage from within by maintaining vapor permeability
- Can be applied to damp surfaces
- Quick formation of surface repellency and chemical resistance
- Does not alter natural surface texture or appearance
- Greatest depth of penetration
- No masking of windows necessary
- Keeps substrate cleaner

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

LEED INFORMATION

- LEED NC category/points: For detailed information visit vexcon.com/green.
 - EQ 4.2 – 1 point
 - MR 2.1/2.2 – 1 point
 - MR 5.1/5.2 – 1 point

RECOMMENDED FOR

Department of transportations, bridge decks, highway surfaces, platforms, parking garages, and other super structures subject to high traffic.

INSTRUCTIONS FOR USE

Before using this product, refer to product use information at EFPS 215 (a) for detailed product application instructions. Contact Vexcon technical service for any product application questions.

SHORT SPECIFICATION

07 19 16: Low VOC water repellent. VOC content less than 138 grams/liter. Meets or exceeds NCHRP 244 series IV test, reducing water and salt penetration greater than 98%. Ten year warranty. Manufactured by Vexcon Chemicals.

SPECIFICATIONS/COMPLIANCE

- VOC - <250grams/liter or 2.08/gal
- Meets:
 - USEPA AIM - Waterproofing Sealers and Treatments
 - OTC, LADCO/MRPO, CEPA/EC - Waterproofing Concrete Masonry Sealers
 - CARB - Reactive Penetrating Sealers
 - SCAQMD – Rule 1113 – Reactive Penetrating Sealers
- NCHRP 244 Series II and IV @ 250 sq.ft./gal
 - Reduction of Absorbed Chloride into Concrete
 - Series II – 98%
 - Series IV – 98%
- NCHRP 244 Series II Water Weight Gain % Reduction – 95%
- AASHTO T259/260- Chloride Ion Analysis – 90 day Salt Ponding
 - 1/16” – 1/2” 0.63 #/cu.yd. avg. @ 250 sq.ft./gal
 - 1/2” – 1” 0.35 #/cu.yd. avg. @ 250 sq.ft./gal
- ASTM C672 Scale rating - 100 freeze thaw cycles-0 (no scaling).
- ASTM C457 Depth of Penetration - 0.150-0.26", substrate dependant
- ASTM E96 Water Vapor Permeability - 95%
- ASTM D2047 Coefficient of Friction 0.84 average
- Alberta Transportation Concrete Sealer - Type 1C
- ASTM C642- Water Absorption Reduction in Hardened Concrete > 98%
 - 24 hour immersion 0.33%
 - 48 hour immersion 0.40%
 - 24 hour boil 0.81%
 - 50 days immersion 1.43%
- CSI reference: 07 19 16

PACKAGING

StarSeal EF Weather Seal 100 is available in 55-gallon drums and 5-gallon pails. Contact Vexcon directly to discuss your customized packaging requirements.

CONTACT US @

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

- vexcon.com
- techservice@vexcon.com
- customerservice@vexcon.com
- sales@vexcon.com
- Voice: 888.839.2661
- Fax: 215.332.9997