



1. Product Name

StarSeal EF Super Coat HBV

2. Manufacturer

Vexcon Chemicals
7240 State road
Philadelphia, PA 19135
(215) 332-7709
www.vexcon.com

3. Product Description

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 inhabitant's and reducing the effects of volatile organic compounds (VOC's) on the environment.

StarSeal EF products can contribute points towards Leadership in Energy and Environmental Design (LEED) Green Building Rating System credits for certified projects in environmentally responsible new construction and building rehabilitation Projects. Eco-Friendly attributes.

- Low odor
- Low VOC content
- LEED Points
- Safe to use
- Safe to store
- Packaged in recyclable containers

StarSeal EF Super Coat HBV (High Build Vertical) is a 100% high performing water borne acrylic waterproof coating. This product provides an attractive, breathable, protective coating that enhances the aesthetic appearance of vertical concrete and masonry surfaces.

BASIC USE

StarSeal EF Super Coat HBV provides excellent adhesion, weathering and waterproofing protection. The products one coat application saves time and money over typical two and three coat systems.

StarSeal EF Super Coat HBV is recommended for concrete and masonry surfaces such as stucco, concrete block, pre-cast, poured in place and tilt up concrete.

BENEFITS

Performance

- Resistant to UV light and mold
- Withstands 100 mph wind driven rain
- Covers surface blemishes, cracks and surface imperfections
- Excellent adhesion
- Breathable prevents blistering and peeling
- Performance warranty

Application Advantages

- One coat application
- Apply over highly alkaline surfaces
- Apply to fresh/Green or damp concrete and masonry surfaces
- Apply above and below grade
- Apply in the presence of hydrostatic pressure

Money Saving

- No primer required
- Fast track one coat application
- Long lasting
- Lower maintenance costs

Design Options

- Decorative standard colors
- Unlimited custom colors
- Three textured finishes; fine, medium and coarse

PACKAGING

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

YIELD

- Do not apply at a greater film thickness than recommended.
- Give adequate dry time between coats to prevent trapping carrier solvent or water.
- Application at a rate of 50-80 sq.ft./gal (1.25-2.0 m²/L) will provide an average dry film thickness of 13-18 mils (330-460 μm).
- A single continuous coat will provide waterproofing properties, but it is always suggested to use a thinner second coat to even out the application. Be careful to match color and texture when re-coating.



SHELF LIFE

If properly stored in its original sealed container, one year. Rotate your stock .

ACCESSORIES

- Spray Equipment
- Certi-Vex Envio Block Fill Emulsion
- Certi-Vex® Patch RTU
- StarSeal EF Cure
- StarSeal EZ Lift
- StarSeal EF Form Release Treatments
- Vexcon specialty cleaning and surface preparation products

LIMITATIONS

- **Manufacturer's Qualifications:** Specialize in manufacture of high build vertical coatings with a minimum of 10 years successful experience.
- **Installation Qualifications:** Firm certified in writing by manufacturer as an approved applicator.
- **Source Limitations:** Obtain block fillers and other materials from the same manufacturer as the high build vertical coating.
- **Mock-Up:**
 - Provide a 10' x 10' sample for each material, color and texture, to be applied to each substrate to receive vertical high build coating using same application equipment and methods as finished job.
 - Mock-up should be applied at the job site on the same surface to be coated as selected by the architect/owner/ general contractor.
 - Obtain written approval from architect/ owner prior to proceeding.
 - Leave mock-up in place as part of completed project.

4. Technical Data

APPLICABLE STANDARDS

- American Society for Testing Materials - ASTM
- Federal Specification
- United State Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED)
- United States Environmental Protection Agency -EPA

4. Technical Data

APPROVALS

- VOC – 75 grams/liter or #/gallon
Meets:
 - USEPA AIM-Waterproofing Sealers and Treatments
 - OTC-Waterproofing Sealers
 - CARB-Waterproofing Sealers, Concrete/Masonry
 - SCAQMD-Rule #1113-Waterproofing Sealers, Concrete/Masonry
- American Society for Testing Materials - ASTM
 - ASTM D 2369 Standard Test Method for Volatile Content of Coatings
 - ASTM C 309 Standard Specification for Membrane Forming Curing compound
- Federal Specification
 - TTC-555 B
 - TTP-1411
- United State Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED)
 - New Construction and Major Renovations v2.2.
- United States Environmental Protection Agency -EPA
 - Method 24 - Determination of Volatile Matter Content of Surface Coatings

ENVIRONMENTAL CONSIDERATIONS

- Do not apply high build vertical coating when ambient temperatures are below 45°F.
- Do not apply high build vertical coating when ambient temperatures are above 90° F.
- Do not apply high build vertical coating on windy days
- Keep from freezing
- Remove any surface film that may form on the material
- Mechanically mix material before application to produce a uniform mixture. Mix as required during application.
- Coating when adverse weather conditions are expected within 12-24 hours of application should be avoided
- Do not apply to frozen, frost or snowy surfaces



5. Installation

PREPARATORY WORK

New masonry and concrete surfaces should be cleared of all efflorescence, chalk, dust, dirt, curing compounds, coatings, release agents, bond breakers, grease, oils, loose substrates and other surface contaminants with Vexcon premium cleaning and surface preparation products.

On old or existing masonry or concrete surfaces where there is loose scaly residue, sandblasting or wire brushing may be necessary. Small cracks, voids and blemishes may be filled by troweling StarSeal EF Super Coat HBV or Certi-Vex® Patch RTU with a large flat bladed spatula. Large holes and damaged areas should be repaired by grouting or trowel filling with patching compound.

StarSeal EF Super Coat HBV may be applied to damp, but not liquid wet concrete or masonry surfaces.



METHODS

- Before applying follow the directions for surface preparation.
- Apply by spray equipment
- When spraying, particular care must be taken with spray overlap area. Proper technique for spraying calls for a pattern one half the diameter that is used for typical masonry coatings.
- StarSeal EF Super Coat HBV may be applied to damp or green concrete as long as there are no slick water surface spots visible.
- The material can be thinned slightly with water and applied by brush or roller, however, spraying is recommended.
- When roller applying, roller should be dampened with water prior to use. Keep roller wet with paint.

PRECAUTIONS

- Refer to the Material Safety Data Sheet (MSDS) before using.

BUILDING CODES

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

6. Availability & Cost

AVAILABILITY

Vexcon products are available nationwide. Contact Vexcon Chemicals for a distributor in your area.

COST

Consult Vexcon Chemicals for detailed pricing information.

7. Warranty

Complete warranty terms and conditions are available from the manufacturer. For details, contact Vexcon Chemicals.

8. Maintenance

Follow normal maintenance program to clean and maintain high build vertical coating.

9. Technical Service

Technical assistance, including more detailed product information, product literature, MSDS, test results and project lists are available. Call 1-888 VEXCON-1, or visit www.vexcon.com

10. Filing Systems

- Product data sheet, 3-part specification, MSDS, test reports and additional product information is available at www.vexcon.com or by contacting Vexcon directly.
- Product code number: EFCS300



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