



STARSEAL® EF BIO-RELEASE

ZERO VOC • NO ODOR • OIL FREE • ECO-FRIENDLY

DESCRIPTION

STARSEAL EF BIO-RELEASE is a water based form release treatment made from bio-degradable, rapidly renewable oils. The product does not contain petroleum oils, is odor and VOC free, making it the product of choice for environmentally sensitive areas and protecting the workers who apply the product.

This product is non-staining and provides exceptional release properties yielding a smooth, uniform and dust free surface every time.

Recommended for architectural, pre-cast and general forming. Designed for use on aluminum, metal, wood forms and is ideal product for plastic form liners.

Since the product does not contain any petroleum oils or waxes, StarSeal EF Bio-Release will not stain the concrete surface and because no surface preparation is required subsequent applications of coatings or other treatments applied to the formed surface are completely compatible

When properly applied the product forms a film on the surface that covers 100% of the exposed form area. 100% coverage is the Vexcon Forming Advantage by providing uniform release that avoids heavy build up and uncovered areas.

StarSeal EF Bio-Release will not crater, bead, run or sag on vertical application. Residual concrete dust can be wiped off with a rag or water washed to a clean surface. This reduction in heavy build up reduces form preparation between uses increasing the forms useful life and decreases labor and maintenance costs.

BENEFITS

- Eco-friendly
- Made from bio-degradable, rapidly renewable materials
- Odorless
- Meets all clean air VOC standards throughout the US
- Yields a smooth and uniform surface
- Non-staining
- Quick drying
- Excellent release performance for aluminum, metal and plywood forms
- Will not deteriorate or damage surface
- Increases form useful life
- Decrease labor and maintenance costs
- Reduces surface preparation

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
- Safe to use
- Safe to store
- Packaged in recyclable containers

SPECIFICATIONS/COMPLIANCE

- Meets or exceeds the requirements of the Corp of Engineers, Civil Works Construction Guide, CW-0301, section 2.1.2. and 3.1.3.
- Bureau of Reclamation Standards
- VOC Content: 0 gr./liter
Meets all clean air standards through out the US:
 - USEPA AIM- Form Release Compound
 - OTC- Form Release Compound
 - CARB- Form Release Compound
 - SCAQMD- Bond Breaker
- State Specifications for non-staining form release
- Ohio EPA contact with potable water
- CSI reference: 03 11 16

APPLICATION

- Forms and other surfaces that are to be made bond free should be cleaned before applying StarSeal EF Release.
- Remove buildup of concrete, rust, scale and dirt with Certi-Vex Concrete Remover, and repair any holes or fractures from previous uses before applying.
- StarSeal EF Bio-Release is ready to use direct from its container, do not dilute.
- Apply by, brush, roller, spray or dipping on forms immediately before pouring concrete. However, because StarSeal EF Bio-Release or any other form release agent must be kept off reinforcing steel and any other embedments, spray application must be done with care when forms and steel are already in place. An alternative is to coat forms with StarSeal EF Bio-Release just prior to erection of rebar steel.
- Coat Uniformly - Leave no gaps.

SPECIAL NOTES

- Do not use as a bond breaker for concrete on concrete.
- Manufacturers of coatings or treatments should be consulted for special application requirements of their product.
- Do not apply form release treatment when surface temperatures are below 40°F
- Do not apply when rain is predicted 24 hours or less then 1 day after surface has been wet.
- Starseal EF Release can be effective for up to three weeks before concrete is poured.
- It is also recommended that forms be treated with Starseal EF Release between each pour and before long periods of idleness or storage.
- Starseal EF Bio-Release must be allowed to dry on the forms prior to pouring concrete.
- Keep from freezing
- Do not apply on windy days
- Mix well before each use
- For professional use only.
- If properly stored in its original sealed container, one year from date of manufacture. Rotate your stock.

SHORT SPECIFICATION

03 11 16: Zero VOC Concrete Forming and Accessories.
VOC content less than 0 grams/liter.

COVERAGE

500-1000 sq.ft./gal (12.5-25 m²/L) depending on porosity, texture and form material.

PACKAGING

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

PHYSICAL PROPERTIES

- Color Water white emulsion
- Wt/gal 8.3
- Acid number 6
- Carrier Water

VITAL STATISTICS

- Flash Point: None
- Boiling Point: 212° F (100° C)
- Autoignition Temp: None

HEALTH AND SAFETY

- Use only with adequate ventilation.
- If swallowed, do not induce vomiting.
- Use of gloves, goggles and other protective clothing is advised when using this product.

Vexcon MSDS #FR112 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product it is advisable to obtain a copy of MSDS from your distributor or by contacting Vexcon Chemicals.

CONTACT US @

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

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