



3406EF SHIELDKOTE EF

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PRODUCT BULLETIN

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General Information

SHIELDKOTE EF is an economical ready to use V.O.C. compliant vegetable oil based release, designed to react with freshly poured concrete to produce a positive release.

Features:

- 100 % Biodegradable
- Ideal for all types of forms - wood, metal, plastic, fibreglass
- Environmentally friendly
- Non-corrosive, pleasant light odor, not-staining
- Leaves no residue or stain on the concrete surface

Uses

SHIELDKOTE EF is especially suited for use where conditions require a non corrosive, non staining, low odor and environmentally safe compound. SHIELDKOTE EF is suited for use on all forms including wood, plywood (seal treated or untreated) and steel as well as forms which could be attacked by solvents such as polystyrene, plastic, fibreglass, etc. SHIELDKOTE EF properly applied, will not leave a residue or stain on the surfaces of concrete which are to be painted or coated. SHIELDKOTE EF produces a tighter concrete surface due to the chemical reaction and a smoother surface due to the low surface tension of the release. SHIELDKOTE EF neutralizes corrosive lye which rots the wood and causes rusting of metal. SHIELDKOTE EF 's protective film not only results in better concrete but also enhances the life expectancy of the form materials.

Limitations

Do not use on wet forms. Surface on which this compound is applied will be slippery and should be protected from traffic until concrete is poured. SHIELDKOTE EF is not recommended when concrete is to be steam cured or for tilt-up work.

Warranty

INNOVATIVE MANUFACTURING strives to manufacture the highest quality products using selected raw materials, manufacturing methods and testing procedures. INNOVATIVE MANUFACTURING products are warranted to be of uniform quality within manufacturing tolerances. Since no control is exercised over the end use of the product, no warranty, expressed or implied, is made to effects of such use. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective.

Product Information

COMPOSITION AND MANUFACTURE

SHIELDKOTE EF is composed of mineral & vegetable oils with reactive release agents.

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PROPERTIES OF MATERIALS:

Appearance	- Golden
Specific Gravity	- 0.87
Bulk Density	- 0.87 kg/L (7.0 lbs per US gallon)
V.O.C.	- 6.9g / Litre

SHIELDKOTE EF is a golden colour but can be factory tinted with a fugitive dye to assist the applicator in determining coverage area. The dye will dissipate leaving a clear film.

ORDERING, HANDLING AND PROTECTION

SHIELDKOTE EF is available in 205 litre lined drums and 18.93 litre plastic spouted pails. Bulk deliveries are available to approved customer facilities or in INNOVATIVE MANUFACTURING tote tanks, approximately 1300 litres.

First Aid

Avoid eye contact. Use eye protection equipment. Use warm water to wash eyes out. Harmful if swallowed. If swallowed, call a physician. Keep out of the reach of children.

Installation InstructionsPreparatory Work

1. Form surfaces should be clean and free from concrete build up, rust, scale and dirt.
2. Form surfaces should be dry.
3. Before incorporating forms into the forming system, apply one or preferably two heavy brush coats to all edges to protect the laminations.

Application Instructions

1. SHIELDKOTE EF is ready to use and can be applied by brush, roller or low pressure sprayer. SHIELDKOTE EF, like all liquid compounds, should be stirred prior to each use.
2. SHIELDKOTE EF should be applied at the rate of coverage outlined in application rate section.
- 3a. Application by brush: Apply evenly one coat with a soft bristle hair brush.
- 3b. Application by roller: Apply with full, even strokes allowing no pinholes or uncoated areas.
- 3c. Application by spray: Use low pressure sprayer; use minimal fog spray allowing no uncoated areas.

Rate of Application

SHIELDKOTE EF should be applied on:

- a. plastic forms at the coverage rate of 15 m² per litre (400 sq. ft. per US gallon or 150 sq. ft. per litre)
- b. fibreglass forms at the coverage rate of 20 m² per litre (600 square feet per US gallon or 200 square feet per litre)
- c. wood forms and untreated plywood forms at the coverage rate of 15-20 m² per litre (400-600 square feet per US gallon)
- d. steel forms and seal treated plywood forms at the coverage rate of 25 m² per litre (750 sq. ft. per US gallon or 250 sq. ft. per litre)