

Basic Description

SHIELDKOTE STANDARD is a chemical form releasing agent formulated from natural organic compounds and a hydrocarbon carrier; compounded under rigid quality control standards, and designed for compatibility with all types of concrete forms. SHIELDKOTE STANDARD imparts a waterproof film to the forms to prevent the adhesion of concrete for a quick and easy release.

Available in a concentrate @ 1 x 5 gallon pail concentrate makes 1 x 205 ltr. drum of 3406.

Features:

- High coverage rate – reduced applied coat
- Non-staining
- Use on wood, metal, fibre forms
- Easy application
- Minimized residue on concrete forms
- Waterproofs, strips clean, minimizes dust
- Longer form life

Uses

SHIELDKOTE STANDARD may be used on all woods forms, seal-treated and untreated plywood forms, metal forms, fibre tube forms, concrete equipment and precast concrete forms where a positive separation of the poured-in-place concrete is desired. SHIELDKOTE STANDARD will react with freshly poured concrete to produce the slipform reaction necessary for positive release. It will reduce the dusting conditions that usually occur with other releases. SHIELDKOTE STANDARD is formulated to reduce or eliminate surface voids by allowing trapped air and field water to escape from properly vibrated concrete. SHIELDKOTE STANDARD, properly applied, will not leave a residue or a stain on the surfaces of the concrete which are to be painted or coated. SHIELDKOTE STANDARD produces a lighter concrete surface due to the chemical reaction and a smoother surface due to the low surface tension of the release. SHIELDKOTE STANDARD will develop a waterproof coating on plywood and wooden forms by preventing the concrete mix water from being soaked into the forms, thus inhibiting grain raising and form deterioration. SHIELDKOTE STANDARD contains special chemicals to inhibit rust on steel forms, increasing their life and acting as a self cleaning membrane coating. SHIELDKOTE STANDARD reduces form maintenance costs because of the clean release minimizing preparations for re-use.

Limitations

Do not use on galvanized forms or store in galvanized pails. Do not use on plastic molds without prior application of CURE AND SEAL OR CLEAR COAT. Old forms must be free of concrete build-up, scale, dirt and rust prior to application. Do not apply to foam-liner forms - use SHIELDKOTE "E". Excessive application may result in concrete retardation at the surface. Application rates should be at recommended rates and over application should be avoided. Surfaces to be treated should be dry. SHIELDKOTE STANDARD is not recommended for untreated aluminum, masonite, paper or elastomeric form liners- use SHIELDKOTE "E".

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Warranty

Innovative Mfg. Inc. strives to manufacture the highest quality products using selected raw materials, manufacturing methods and testing procedures. Innovative Mfg. Inc. 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, express or implied, is made to effects of such use. Seller's and Manufacture's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective.

Availability

SHIELDKOTE STANDARD is readily available from Innovative Mfg. Inc. distributors and dealers located in Western Canada and the Northwestern United States. Call Innovative Mfg. Inc. for your nearest source.

Product Information

Composition and Manufacture:

SHIELDKOTE STANDARD is a blend of wood fat derivates and special additives in a hydrocarbon carrier. SHIELDKOTE STANDARD is manufactured by Innovative Mfg. Inc. at its plant to ensure a consistent quality product.

General Appearance:

Surfaces that are treated with SHIELDKOTE STANDARD will have a slightly darker colour to them and water beads-up on them .

Properties of Material:

Appearance	-	liquid
Flash Point	-	70°C (160°F)
Specific Gravity	-	0.82
Viscosity	-	5 – 6 cps
Colour	-	pale straw
Density	-	0.82 kg/litre (6.8 lb/US gallon)
Conforms	-	CE 1401.01 (17.4) Corps of Engineers CW 03101 (5.3) Corps of Engineers CE 204 (3-03-K) GS GSA

SHIELDKOTE STANDARD is a pale straw in colour. SHIELDKOTE STANDARD 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 STANDARD is available in 205L and 18.93L lined spouted pails for the Canadian market. Bulk deliveries are available to approved customer facilities or in Innovative Mfg. Inc tote tanks, approximately 1025 litres within 100 kilometres of the Innovative Mfg. Inc plant.

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First Aid

Contains petroleum distillates. Avoid eye contact. Use eye protection equipment. Harmful or fatal if swallowed. If swallowed, call a physician. If overcome by fumes, give patient air. Call a physician immediately. Use under well ventilated conditions. Keep away from an open flame. Keep out of reach of children.

Installation Instructions

Preparation:

1. Surfaces should be clean and free from concrete build-up, rust, scale and dirt.
2. Surfaces should be dry prior to application.
3. Before incorporating plywood forms into the forming system, apply one and preferable two heavy brush coats to edges to protect the laminations.

Application Instructions:

1. SHIELDKOTE STANDARD is ready to use and can be applied by brush, roller or low pressure sprayer. Recommended applicator is a low pressure sprayer. SHIELDKOTE STANDARD, like all liquid compounds, should be stirred prior to each use.
2. SHIELDKOTE STANDARD should be applied at the rate of coverage outlined in application rate section.
- 3.a. Application by brush: Apply evenly one coat with a soft bristled hair brush.
b. Application by roller: Apply with full, even strokes, allowing no pinholes or uncoated areas.
c. Application by spray: Use low pressure sprayer. Use minimal fog spray allowing no uncoated areas.
4. Avoid excessive build-up, runs or puddles. Excess coating may retard the concrete. When SHIELDKOTE STANDARD is applied in a thin monolithic film, maximum performance and superior efficiency are obtained.

Rate of Application

SHIELDKOTE STANDARD should be applied on (a) wood forms and untreated plywood forms at the rate of coverage of 20-24 square meters per litre (800-1000sq.ft/US gal or 200- 240 sq.ft/litre) (b) Steel forms, seal-treated plywood forms, fibre tube forms at the coverage rate of 24-30 metres squared per litre (1000-1200 sq.ft/US gallon or 240-300 sq.ft/litre).

Maintenance

If storing SHIELDKOTE STANDARD outside or in an unheated facility, store drums in horizontal position so the bungs are at the nine and three o'clock position to prevent moisture accumulation on the underside of the drumhead.



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PRODUCT BULLETIN

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Clean-up

Clean all tools and equipment with Innovative Mfg. Inc. MINERAL SPIRITS. Clean hands with a waterless hand cleaner. Do not use petroleum distillates on your skin.

Technical Services

To assist in the selection of materials and the preparation of specifications, please call Innovative Mfg. Inc., for product installation assistance, please contact Innovative Mfg. Inc. to arrange for a representative to be on site.