

KLEEN KOTE 100

Water-based release agent with corrosion protection



Product Description

KLEEN KOTE is a water-based release agent that enables smooth concrete surfaces, easy separation of forms/form liners from concrete, protects vehicles, equipment and tools from concrete, mud, asphalt, fertilizer and corrosion.

Uses

- Concrete Release
- Asphalt Release
- Mud/Mining Release
- Form/Formliner Release
- Rust Inhibitor

Advantages

- Low V.O.C. 13-17 g/L
- Certified Biodegradable
- Does NOT contain any phosphates, solvents or silicones
- Meets ASTM/Army Corps. Of Engineers Specs
- Meets/exceeds the 2014 SCAQM Rule #1113 requirements
- Easy to use
- Safe for use on all surfaces: rubber, metal, plastic, electrical/wiring, glass, wood & motors
- Easy and clean stripping of formwork
- Provides a smooth, non-dusting/non-stained concrete surface
- Extends the life of equipment, vehicles and formwork
- Reduces costs associated with cleaning and maintaining equipment, tools and formwork
- Inhibits rust

Product Data

Form

Appearance / Colors Concentrate: Amber viscous liquid at room temperature
Ready to Use: White liquid

Packaging

• 32oz. bottle	• 1gal. bottle	• 3.5gal. pail
• 4.5gal. pail	• 5gal. pail	• 55gal. drum
• 275gal. tote		

Storage

Storage Conditions / Shelf Life Concentrate: 60 months from date of production if stored properly in original, unopened and undamaged packaging (bottles, pails, drums, totes) at temperatures between 40°F and 90°F.
Ready to Use: 18 months

Technical Data

Chemical Base A blend of mineral oil and other key ingredients
Vapor Density >5, (AIR=1)
Viscosity 100 SUS @ 100°F (19cST @ 40°C)
Freezing Point Mixed: 32°F

Application Details

Dosage/Coverage

Mix KLEEN KOTE 100 with water at the specified application ratio. Coverage rates are approximate and depend on the type and porosity of the form surface. Use only clean containers that have not been used for acids. Do NOT mix with diesel, fuels or oils.

Concrete Forms - Ratio of 1 part KLEEN KOTE to 15 parts Water

Steel, Aluminum	2000 sq ft/gal
Polystyrene foam	2000 sq ft/gal
ABS Plastic	2000 sq ft/gal
Urethane Elastomeric liners	2000 sq ft/gal
Fiberglass	2000 sq ft/gal
HDO Plywood	2000 sq ft/gal

Concrete Forms - Ratio of 1 part KLEEN KOTE to 11 parts Water

MDO Plywood Forms	1500 sq ft/gal
EPS Foam	1500 sq ft/gal
Wood Forms	1000 sq ft/gal
LDO Plywood Forms	1000 sq ft/gal

Notes on Application /Limitations

- Prior to application, form surfaces should be thoroughly cleaned of all concrete, rust and previous release agents.
- If forms/form liners have fresh oil or other release agents already applied, you must cast or clean off previously applied products prior to applying KLEEN KOTE.
- The application can be applied in one coat with brush, roller or spray. In order to achieve maximum benefit, KLEEN KOTE should be applied with a fine, misting-type spray tip so that the application may be in a thin, uniform film.
- A second coat application may be necessary in case of highly absorbent formwork.
- Apply KLEEN KOTE to the entire formwork, including the back side to protect from splatters.
- Over application will not produce better results and may cause dusting. Excess product or puddles should be removed with a squeegee and absorbent rags.
- Allow KLEEN KOTE to change from white to clear before using treated formwork.
- KLEEN KOTE must be re-applied to the forms/ form liners after EACH use.
- KLEEN KOTE is slightly reactive when used as a concrete release agent. KLEEN KOTE will not transfer from the forms to the finished concrete surface when applied and used according to instructions. **NOTE:** When applying a finish or coating to a concrete surface ALWAYS follow the manufacturer recommended surface preparation instructions. If KLEEN KOTE accidentally comes in contact with a finished concrete surface, it can be removed with a soap and water solution as needed.
- KLEEN KOTE 100 is a concentrate that will not freeze, however once mixed, KLEEN KOTE may freeze.
- KLEEN KOTE cannot be applied in rain, snow or ice but once applied, will not rinse off in these conditions.
- A small test patch is recommended to ensure uniform coverage of KLEEN KOTE.

Precautionary Statements

- Keep container tightly closed. Avoid breathing dust/fume/mist/vapors/spray/aerosol.
- Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection. Use PPE as required.
- Keep away from open flame or sources of ignition.

Additional precautions, safety information and first aid are contained in the SDS.

LEED Information

KLEEN KOTE Concentrate may contribute to LEED points based on the following categories:

• MR-2 Construction Waste Management

- Shipped as a concentrate which reduces packaging by 90%
- Biodegradable
- Packaging materials including bottles, pails, drums, cartons, cardboard/paper inserts and some pallets are recyclable

•MR-5 Regional Materials

- As a concentrate, the final manufacturing of the product is done on the jobsite when water is added to make the product ready to use. The mix ratio range 1 to 11 through 1 to 15 parts Kleen Kote to water. This results in a product that is over 90% water which has been added on-site.
- Typically one 3.5 gal. to 4.5 gal. pail of KLEEN KOTE Concentrate is required to mix a 55 gal. barrel of ready to use product. Shipping a 40 lb./5 gal. pail to a construction site is significantly more efficient than shipping a 500 lb./55 gal. barrel.

• IEQ-4.2 Low Emitting Materials

This product has an extremely low VOC content and is biodegradable.

- 1 to 11 ratio – KLEEN KOTE Concentrate has a VOC content of 15 g/L
- 1 to 15 ratio – KLEEN KOTE Concentrate has a VOC content of 14 g/L

Legal Notes

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