KA3

Water Miscible Mould Release Agent Designed for Plywood Type Formwork

PRODUCT DESCRIPTION

İNKA-KA3 is a blend of high quality mineral oils and emulsifiers in concentrated form. The water resistant film coat formed by the reaction of specialty chemicals inside **KA3** and the alkali content of concrete, is the strongest feature of this product helping it to offer an effortless release from plywood formworks. It is also resistant to low temperature heat curing.

ADVANTAGES

- Suitable for wooden, metal or plastic moulds. On conventional wooden moulds, the use of a paraffin based mould protector is recommended to reduce consumption.
- Allows a uniform, stain-free, smooth surface,
- Will not cause adherence problems after stripping for pending applications like rendering and painting.
- Reduces the amount of concrete residues saving from cleaning times reducing labour costs.
- Will not cause clogging in spray guns thanks to its low viscosity.
- Economical. Optimum performance is reached with minimum consumption.
- Protects the plywood formwork's film coat. Does not contain harmful chemicals having abrasive effects which shortens the service life and surface quality of formwork. When compared with oil based mould release agents, **KA3** prolongs the service life of the formwork up to10 times.
- Saves from shipping costs thanks to its concentrated formulation.

TECHNICAL DATA

- **Appearance:** Light yellowish liquid
- **Density @ 20°C:** 0,86 ± 0,03 kg/lt
- **Storage:** 12 months when kept unopened and away from freezing temperatures
- **Packaging:** 25 kg (30 lt) PE bins and 180 kg (210 lt) steel barrels
- **Standart:**

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TS 12153 CLASS 1; TYPE 1; SORT 2; VERSION 1

CONSUMPTION

Depending on the mould's surface condition and application method; 25 - 60 m^2 per kg.

ATTENTION

- During the mixing process, **İNKA-KA3** should be added to water.
- The quality of the mixing water is of great importance.
- Excessive use of **KA3** may leave stains and cause dusting on mould surface.
- **İNKA-KA3** must be protected from freezing temperatures. If freezing occurs, it should be left to thaw in room temperature without any contact with open fire and should be thoroughly stirred before use.
- The consumption amounts are achieved by laboratory tests on horizontal surfaces. These amounts therefore may vary according to actual conditions on site.

HEALTH & SAFETY

Health:
- Protective gloves and goggles should be worn.
- Incase of contact with eyes, wash with plenty of water and seek medical attention if needed.

Fire:
- The risk of fire is considerably low due to **İNKA-KA3**'s low flash point. However, proper ventilation should be acquired.
- Storage areas should be well ventilated, the product should be stored airtight in its original packaging and the packaging should be kept away from electrical appliances.

TECHNICAL SERVICES

Our technical support team is ready to answer all your questions concerning our product line.
For additional information, please contact our headquarters.
Material Safety Data Sheet of this product can be obtained from **info@inka.com** or from our regional sales representatives.

APPLICATION

Mould surfaces should be cleaned from all loose materials and mortar residues.

İNKA-KA3 can be mixed with water by a ratio of **1 : 1** and a white liquid is achieved. When mixing, **KA3** should be taken into a clean container and water should be added onto it. The diluted mixture should be stirred occasionally during application.

Application can be made with a brush, roller or spray-gun. Immersion method is also another option. A thin layer should be applied evenly onto the surface. A single thin homogeneous coat gives the optimum result. Excessive product must be moved/mopped up prior to placing the concrete.

Surfaces of application must be protected from rain for a couple of hours.