



General Purpose Mould Release Agent

PRODUCT DESCRIPTION

INKA-KA3E series mould release agents are designed especially for easy/effortless release giving a stainless smooth surface to the concrete surfaces. The water resistant film coat formed by the reaction of speciality chemicals inside **KA3E** and the alkali content of concrete, is the strongest feature of this product helping it to offer a hassle-free release from plywood formworks. It is also resistant to low temperature heat curing.

ADVANTAGES

- Suitable for wooden, metal or plastic moulds.
- 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 to 10 times.

TECHNICAL DATA

- **Appearance:** White low viscosity liquid
- **Density @ 20°C: INKA-KA3E** 0,93 ± 0,02 kg/lt
- **Density @ 20°C: INKA-KA3E/25** 0,97 ± 0,02 kg/lt
- **Density @ 20°C: INKA-KA3E/30** 0,96 ± 0,02 kg/lt
- **Density @ 20°C: INKA-KA3E/40** 0,95 ± 0,02 kg/lt
- **Flash Point:** min.200 °C
- **Yield Point:** min. -5 °C
- **Storage:** 12 months when kept unopened and away from freezing temperatures
- **Packaging:** 25 kg PE bins and 180 kg steel barrels

APPLICATION

INKA-KA3E series products should not be diluted with water as they are ready to use. After the cleaning of mould surfaces from all loose materials and mortar residues, 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 removed/mopped up prior to placing the concrete.

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

CONSUMPTION

Depending on the mould's surface condition and application method;
20 - 50 m² per kg.

Surface of formworks have different absorbency amounts depending on their age and type. The products below are formulated according to the variable absorbency amounts of the formwork surfaces:

Therefore, besides **INKA-KA3E**;

INKA-KA3E/25,

INKA-KA3E/30,

INKA-KA3E/40

are also manufactured for optimum results.

ATTENTION

- During the mixing process, **INKA-KA3E** should be added to water.
- The quality of the mixing water is of great importance.
- Excessive use of **KA3E** may leave stains and cause dusting on mould surface.
- **INKA-KA3E** 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.
- In case 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 **INKA-KA3E**'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.

