

Paraffin Based Curing Compound

PRODUCT DESCRIPTION

INKA-CP, is a single component paraffin based curing compound used for the prevention of water loss in fresh concrete, reducing shrinkage and increasing durability.

AREAS OF USE

INKA-CP is sprayed onto newly laid fresh concrete forming a thin film layer on top, preventing it against premature water loss. It helps concrete to enhance both its physical properties and its surface quality especially for pours in large quantities / on areas such as;

- Self consolidating and self compacting concrete surfaces,
- Runways, taxi-ways, aprons and hard-standings,
- Concrete highways,
- Water dams,
- Terraces,
- Retaining walls, pre-stressed beams and piers... etc.

ADVANTAGES

INKA-CP, is a chemical compound with high emulsion stability therefore it will not leave any stain or cause a change in colour due to undesired ponding on the surface.

Some other advantages are:

- Prevents plastic shrinkage cracks.
- Helps cement particles better hydrate with water by preventing premature water loss; providing up to 20% more compressive strength when compared to reference concrete, giving it extra durability.
- Ensures a homogenous surface colour after curing thanks to its uniform chemical composition.
- Increased surface tension will stop crack formation making the concrete watertight, prolonging its durability and service life.
- Provides extra durability against freeze-thaw cycles.
- Reduces surface dusting.
- Increases abrasion resistance on surface.
- Increases frost resistance of concrete.
- Provides easy application.
- Eliminates the need for expensive methods like mass-watering. (which can also deteriorate concrete surface quality)
- Ensures top performance when used on large areas.

TECHNICAL DATA

- **Appearance:** Milky white liquid
- **Specific Gravity (@20°C):** 0,95 ± 0,02 kg/lt
- **pH:** 6,0 - 8,0
- **Storage:** 12 months when kept unopened and away from freezing temperatures and direct sunlight. (in between +5°C to +35°C) **
- **Packaging:** 30 kg PE bins and 200 kg steel/PE barrels
- **Public Works Pos.No:** 04.613/ 1 F
- **Standart:** Complies with ASTM C309 - 81

CONSUMPTION/ COVERAGE

0,150 – 0,250 kg per m² depending on environmental conditions such as wind, humidity and temperature.

APPLICATION

INKA-CP should be well stirred prior to its use.

A thin film layer of **INKA-CP** is sprayed evenly onto newly laid concrete (in 1 - 2 hours depending on the ambient temperature) by a hand operated spray gun or an automatic equipment just after the surface water has evaporated.

The best result can be achieved with a continuous - nonstop spraying, forming a monolithic layer.

ATTENTION

- Following the application of **INKA-CP**, the surface should be protected against rain for at least 2 - 3 hours.
- Trace amounts of floating substance can be found on **INKA-CP**'s surface which has no adverse effect on products quality. Therefore it should be well stirred before use.
- Ponding of **CP** on surfaces should be avoided and excessive product should be evenly distributed throughout the surface or collected with the help of an absorbant material like a sponge.
- If applied on dry concrete surfaces, staining may occur.
- **Storage conditions of the product, as stated in this TDS should be complied with and application should not be made under +5°C.
- The viscosity of the product may vary according to the ambient temperature but the solid content will remain unchanged. Therefore consumption of 250 grams per square meter should not be exceeded.
- If the surface is going to be subjected to additional applications such as plastering, coating or painting, **INKA-CR** should be used instead of **INKA-CP** as a curing compound.
- Application of **INKA-CP** at the correct time will prevent premature water loss stopping the formation of plastic shrinkage cracks but curing compounds will not prevent the long term drying shrinkage cracks of concrete. Therefore standard/ known procedures should be followed to design and regulate the expansion and shrinkage control joints of the main structure.
- The product should be kept away from frost. If accidental freezing occurs, the thawed product should not be used.
- Tools and equipment should be washed immediately after use to prevent clogging of the spray nozzles. Nozzles can be cleaned with water right after the application or placed in a bucket of water until the next application.
- The product should be kept airtight in its original packaging. A creamy layer on top will form if the packaging is not closed airtight.
- Following the initial application, the colour of **INKA-CP** on the surface is white. But, it will turn translucent in 30 mins. to 1 hour.



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HEALTH & SAFETY

- The curing compound is not toxic, but protective gloves and goggles should be worn.
- In case of contact with eyes, wash with plenty of water and seek medical advice.

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.

