

INKOR 25

A material that penetrates in the concrete and acts as a corrosion inhibitor for the reinforcement and provides hydrophobic impregnation for concrete surfaces, based on a silane emulsion without solvents.

In compliance with EN 1504-9, principle 11 and EN 1504-2 :2004 / 1.1(H); 2.1 (H);8.1 (H)

FIELD OF APPLICATION

Inkor 25 is a liquid, low-viscosity material applied to the surface of hardened new or old concrete. The material penetrates the concrete structure, reaching the steel reinforcement, where it forms a protective surface layer that prevents corrosion. If corrosion is already present on the reinforcement, Inkor 25 slows down its further progression. Inkor 25 is most often used in the structural repair of reinforced concrete elements and structures. It is recommended to be used as part of surface protection systems for concrete.

PROPERTIES

- One component liquid material;
- Applied to reinforced concrete elements where corrosion is suspected;
- Perfectly integrates into concrete surface protection systems;
- Easy to apply;
- Water-repellent surfaces;
- Waterproof;
- Reduces capillary absorption of water on concrete sections;
- Prevents penetration and migration of chlorides;
- Does not change surface appearance;
- Does not require concrete removal;
- Can be used on reinforced concrete elements already affected by corrosion;
- Water-based, vapor-permeable, non-toxic and without solvents;
- Protects against the harmful effects of corrosion by penetrating the surface of even the most dense concrete and diffusing to the steel to inhibit corrosion.

TECHNICAL FEATURES

Property	Method	Declared values
Appearance	Visual	White to pale yellow liquid
Density	EN ISO 2811-1	1.12 ± 0.02 g/cm ³
pH	ISO 4316	12 ± 1

METHOD STATEMENT

SUBSTRATE PREPARATION

The concrete substrate that needs to be treated with Inkor 25 should be clean, dust-free, without residual paint and oils. The cleaning of the substrate should be done with air or water under pressure, or by blasting. It is recommended that the application of Inkor 25 to be carried out on a dry surface (The dryer the surface the better the penetration and effectiveness).

APPLICATION

The application of Inkor 25 is done with a brush, roller or by spraying. The material is applied in multiple working procedure (optimally four layers) till the surface is saturated. The time interval between layers is approximately 15–20 minutes, depending on the porosity of the concrete.

After 24 hours, once the substrate is saturated, it is cleaned with pressurized water. On a substrate prepared in this way, the application of other coatings and materials is possible.

Inkor 25 should not be applied if the surface temperature is below 5°C or above 35°C, or if rain is expected within three hours after application. The material should be mixed before application.

CONSUMPTION

Minimum 0,4 - 0,6 kg/m²

CLEANING

Tools and equipment are cleaned with water immediately after their use.

PACKAGING

Plastic cans: 5 and 20 kg;

STORAGE

In original closed packing, in dry premises at temperature between 5°C and 35°C and protected from direct sunlight. Shelf life: 12 months.

Health hazards: Inkor 25 does not contain toxic materials. Nevertheless, avoid contact of the product with skin and eyes and avoid swallowing. In case of contact with skin or eyes, rinse it immediately with clean running water. If swallowed, seek medical assistance. Additional information are provided in the Safety Data Sheet of the product.

Fire: Inkor 25 is non-flammable.

Cleaning and disposal: Loose residues of Inkor 25 should be cleaned with water. Old and used packaging should be disposed of in accordance with local rules and regulations for that type of waste. Additional information is provided in the Safety Data Sheet of the product