

K100

SILICATE IMPREGNATE FOR CONCRETE FLOORS

USE

- Premises where increased abrasion resistance, tightness and high aesthetics are required for the floor or structural concrete
- Indoor as well as outdoor areas
- In all types of industry where there is no need for specialised cladding
- Especially recommended for polishing concrete

ADVANTAGES

- Ease of application
- Reduces concrete dusting
- For unprotected concrete, improves chemical and mechanical (abrasion) resistance
- Facilitates cleaning
- Environmentally friendly
- For non-surface hardened concretes of class C25, increases abrasion resistance by approx. 30%

METHOD OF APPLICATION

K100 is an impregnant to be applied to concrete substrates after a minimum of 7 days after the floor has been made and troweling of the floor. We recommend treating the concrete with a coating method using a film and possibly a non-oven technical fabric. After removing the film, wait about 2-3 days until the surface evaporates, lightens, the color becomes unified, and then apply the preparation as recommended. Apply the material preferably with a mop or using a spray. After a few minutes after application (depending on the temperature of the substrate and the environment) we spread the resulting stagnation with a mop or soft brush. If you note hours, gelled puddles form on the surface, it is recommended to machine wash the floor with clean water. Impregnate K100 works inside the structure of the concrete, while forming a micro-coating. It is preparation, which reacts with alkalis contained in the concrete substrate, which can cause accentuation of discolorations occurring on the floor. The substrate should be clean, free of loose dirt and standing water. Do not use on dirty, oily, algae-infested substrates.

EFFICIENCY

- 0.05-0.5 l/m²

The indicated consumption during application may be higher due to: porosity and unevenness of the substrate, losses during application.

CONDITIONS OF APPLICATION

Temperature of substrate	<i>Minimum +5°C / Maximum +35°C</i>
Temperature of environment	<i>Minimum +2°C / Maximum +40°C</i>
Relative air humidity:	<i>Maximum 100%</i>

DRYING OF THE MATERIAL

- The substrate is dry to the touch after 2 hours at +20°C
- Maximum sealing and curing effect is achieved after approx. 7 days at +20°C

CLEANING AND MAINTENANCE OF A CONCRETE FLOOR

- **Si-Clean** – preparation for daily cleaning and care
- **Si-Wax** – self-gloss polymer paste
- **Si-Active Concrete Clean** – alkaline cleaner for basic cleaning and removal of heavy soiling

STORAGE AND TRANSPORT CONDITIONS

- Shelf life of K100 at 0-30°C is 12 months from date of manufacture
- Protect the product from fire and frost

CONTAINERS

Canister 20 l

***Note:** The above information has been compiled to the best of our technical knowledge, but is not legally binding.*

Hygienic certificate no. 407/322/415/2020.

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