



KOROMINERAL Li+



per 03/2021

liquid impregnation with integrated stain protection on the basis of hybrid lithium silicate

DESCRIPTION

KOROMINERAL Li+ is a liquid, transparent impregnation on the basis of hybrid lithium silicate with integrated stain protection for the improvement of mineral surfaces.

APPLICATION

KOROMINERAL Li+ is used for the impregnation of mineral, cementitious sub-bases, such as polished and not polished concrete floors/screeds, prefab concrete/terrazzo.

KOROMINERAL Li+ penetrates deeply into the surface and reacts with the free lime to calcium silicate hydrate, which gradually hydrates into a glass-like crystalline structure.

The penetration of liquids and other dirt is reduced. The surfaces are easier to clean and obtain increasingly more shine. The surface remains open to diffusion.

PROPERTIES

- improved surface properties
- increased density
- integrated stain protection
- water-repellent effect
- improved surface hardness and chemical resistance
- improved sheen
- less dusting
- improved cleanability
- diffusion-open

TECHNICAL DATA

Condition	liquid
Colour	transparent
Density acc. to DIN EN ISO2811-2	0,88 g/cm ³
Surface temperature	5 °C - 35 °C
Material consumption depending on the absorbency of sub-base Precise values can be ascertained in pilot tests.	approx. 40 - 100 g/m ²
Yield per 20 kg unit	approx. 200 - 500 m ²

PROCESSING

Sub-base

The sub-base must be dry, solid, clean, absorbent and free from oil, grease and other contamination with separating effect.

Processing

KOROMINERAL Li+ is supplied ready to use. It is applied undiluted in one working step until saturation is achieved. The application is carried out uniformly with airless sprayer (nozzle 0,2 - 0,3). Immediately after the application, hand in hand by a second person, the surface is rolled with short-pile roller (polyamide) or treated with microfiber mop. Avoid the formation of puddles. Remove excess material after approx. 20 minutes using a scrubbing machine or polishing pad. The drying time ranges between 1 - 2 hours. In case of highly absorbent floors, two applications are recommended. The second application has to be carried out damp in damp, as the product quickly develops its repellent effect. Protect adjacent surfaces against splashing. Remove excess material before drying. Avoid exposure to direct sun radiation during the application. The surface temperature should range between 5 °C und 35 °C. Avoid direct exposure to moisture until completely dry. Clean tools with water. In order to respond to the local conditions, we recommend to carry out pilot tests.

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SUPPLEMENTARY HINTS

KOROMINERAL Li+ is harmless to health after drying. Ventilate during and after processing. When spraying, special safety precautions must be observed. Ingredients: silica acid, lithium salt, potassium methyl silane triolate. Labeling acc. to Regulation (EG) No. 1272/2008. Causes skin irritation. Causes serious eye damage. Do not inhale dust/fume/gas/mist/vapors/aerosols. Wear protective gloves/protective work clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of skin irritation: get medical advice/attention.

SUPPLY

20 kg plastic container

STORAGE

Dry and frost-free in closed original packaging. Reclose opened containers immediately. Shelf-life approx. 12 months.

HINTS Keep out of the reach of children. Follow the instructions on the containers. The specifications provided in this data sheet for application and processing are based on tests carried out by KORODUR under ideal conditions in the laboratory and acc. to the relevant technical regulations. Therefore, the indicated data don't represent directions for application or a quality agreement in the meaning of § 434 (1) BGB, no regulation in the meaning of § 434 (2) sentence 2 BGB (German Civil Code) and no guarantee for practical application. Due to the differing conditions on site, preliminary own tests and suitability checks are required before application. Please consider the currently valid product information as well as the relevant safety data sheet acc. to Regulation (EC) No. 1907/2006 in the latest version – also published on the internet: www.korodur.de.



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