

KLB-SYSTEM IMPRÄGNIERUNG

BI 960

One-component impregnation based on polymer silicate

Packaging units

Article no.	Packaging	Content (kg)	Units/pallet
DP6900-50	Canister	10.00	80



Product characteristics

Processing temperature	Minimum 10 °C / 50 °F (room and floor temperature)
Curing	1 - 2 hours at 10 - 20 °C / 50 - 68 °F
Consumption	Approx. 0.080 - 0.150 kg/m ²
Shelf life	12 months (originally sealed) – Protect from frost!

Product description

KLB-SYSTEM IMPRÄGNIERUNG BI 960 is a one-component, ready-to-use aqueous impregnation for cement-bound surfaces like concrete. **KLB-SYSTEM IMPRÄGNIERUNG BI 960** is primarily used for smooth, high-quality and hard-grain industrial concrete slabs as transparent finish. The impregnation changes the colour depth of the surface only slightly and maintains the concrete character.

The hydrophobic surfaces are water-repellent and tend to less soiling and staining. Additionally, the product increases the surface hardness and the chemical resistance. The product is solvent-free with little inherent smell. Processing is easy and comfortable.

Product features

- free of deleterious substances against varnish
- odorless
- ready to use
- easy application

Technical data

Density	1.05	kg/l	DIN EN ISO 2811-2 (20 °C / 68 °F)
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The values established in tests are average values. Deviations from the product specification may occur.

Tests

External test certificates are available:

- Classification of the fire behaviour according DIN EN 13501-01:2010-01: Bfl-s1.

Note:

Please ask for the tested system structure!

Substrate

The cement-bound substrate to be impregnated must be clean, surface dry, free of dust, as well as be free from weakly-bonded components or surfaces. Materials impairing adhesion such as grease, oil and paint residues should be removed with suitable measures. Observe the information issued by the trade associations, e.g. the most recent versions of BEB worksheets KH-0/U and KH-0/S. Fresh substrates must be damp-dried and ready to be walked on.

If surfaces that are already in use are impregnated, they must be cleaned and sanded, if necessary. In case of doubt, a test surface is recommended to be able to evaluate the result on the respective subsoil present. Concrete surfaces that have been modified with synthetic resin can no longer be impregnated.

Processing

The product is single-component, ready-to-use and applied without further dilution. Apply generously and saturated in one layer with a lint-free velours sealing roller, foam rubber squeegee or paint brush. Enough material has been applied when the concrete surface is saturated with the impregnation fluid. For larger areas, it is recommended that 2 or better more people carry out the impregnation. One or more persons apply the material in one direction, while another person distributes the fresh material after a short period of time by re-rolling in a crosswise motion (90° angle). In doing so, the material must be evenly distributed in the layer thickness by rolling with the excess material on the surface being removed. Avoid puddles to be left standing. Use a 50 cm wide roller on larger surfaces. When rolling, ensure that a new and clean roller is used exclusively for applying the hydrophobic coating.

The areas should be well vented, so water may dry off appropriately. Floor and air temperature must not fall below 10 °C / 50 °F and humidity should not exceed 75 %. The recommended climatic conditions must also be maintained during curing or drying. The difference in floor and room temperature must remain less than 3 °C / 3 K/ 5.4 °F so as not to impede the curing/drying process. If a dew-point situation arises, regular curing will not be possible with hardening problems and spotting to occur. Exposure to water should be avoided during the first 24 hours. The specified curing times apply for 20 °C / 68 °F; temperatures below this require longer processing and curing times, while higher temperatures require shorter times. If working conditions are not complied with, the technical properties of the end product may deviate from those specified.

Cleaning

To remove fresh contamination and to clean tools, use water immediately.

Storage

Store in dry and at frost-free conditions. Ideal storage temperature is 10 - 20 °C / 50 - 68 °F, do not store above 35 °C / 95 °F. Bring to a suitable working temperature before application. Tightly re-seal opened containers and use the content as soon as possible.

Special remarks

The product is regulated by the German Ordinance on Hazardous Substances (GefStoffV), the German Ordinance on Industrial Safety and Health (BetrSichV), and transport regulations for hazardous goods. The necessary information is contained in the DIN Safety Data Sheet. Observe all identification information on the container label!

GISCODE: D1

Indication of VOC-content:

(EG-Regulation 2004/42) Maximum Permissible Value 30 g/l (2010,II,g/wb): Ready-for-use product contains < 30 g/l VOC.



Please consider the latest version of this product information on our website.

All stated information is based on our experience and technical preparation. We guarantee the correct and proper quality of our products. We do not assume any responsibility for the work not carried out by us, since we have no influence on the processing or processing conditions. We recommend on-site trials to be conducted. With appearance of this new KLB product information, all prior information loses validity. The updated version is available on our website www.klb-koetzal.com. In addition, our "General Terms and Conditions" apply.