

Keim Concretal Lasur

Product Information:

Keim Concretal Lasur is a silicate based, ready to use thin layer oblitative coating for low pigmentation staining of concrete surfaces.

Field Of Application:

Obliteration thin layer coatings for equalising different structures. Offers water repellence, carbonation protection, vapour permeability and forms a chemical crystalline bond with the substrate. It is also suitable for low-pigmented staining of concrete surfaces exterior and interior. For further increasing the water repellence, a hydrophobic substrate pre-treatment with Keim Silangrund (Keim Silan Primer) or Keim Silan 100 can be employed.

Keim Concretal Lasur is not suitable for use on flat horizontal surfaces such as parapets etc. Contact Equus for more information regarding these areas.

Product Characteristics:

Keim Concretal Lasur protects the concrete surface from weather and the action of airborne pollutants. The surface structures of the concrete, e.g. board finish structure remains intact.

The surface is mineral matt. The individual dilution rate with Keim Concretal Fixativ achieves different effects, e.g. spots, colour variations etc. can be equalised.

The binding agent is based on potassium silicate.

Material Data:

Density: 1.13 g/cm³
Water absorption co-efficient: $w=0.05 \text{ kg/m}^2\text{h}0.5$
Vapour diffusion resistance: $Sd=0.02\text{m}$

Colour shades:

According to our colour swatch Keim Palette exclusive.

Packaging:

Concretal Lasur: 5 ltr and 15 ltr
Concretal Fixativ: 5 ltr and 20 ltr

Application:

The substrate must be dust-free and dry. Loose parts, dust oil and other release agents, moss and algae as well as further organic bound old paint coats have to be removed.

Formwork oil residues, in the case of new concrete have to be removed with Keim Betonschnellreiniger (Keim Concrete Cleaner).

Clean, solid concrete needs no pre-treatment.

For highly absorbent substrates or highly weather-influenced areas, a further hydrophobic substrate pre-treatment with Keim Silangrund or Keim Silan 100 (according to ZIV-SIB 90) can be applied before the application of Keim Concretal-Lasur. The

following ground coat with Keim Concretal Lasur shall be applied after approx. 4 hours (for the pre-treatment with Keim Silangrund) and after approx. 4-24 hours (for the pre-treatment with Keim Silan 100).

Oblitative Coat:

For an oblitative thin layer protection, a ground and finishing coat is necessary.

Ground coat: 10 kg Keim Concretal Lasur diluted with 2-6 litres of Keim Concretal Fixativ.

Finishing coat: Keim Concretal Lasur undiluted, evenly applied by brush, roller or spray.

Low Pigmented Coat:

The high demands regarding the weather resistance require a two-coat application by brush of Keim Concretal-Lasur. For the ground and finishing coat, Keim Concretal Lasur can be diluted with Keim Concretal Fixativ in any ratio depending on the individual project requirements.

For and during the work with diluted Keim Concretal Lasur, stir thoroughly. Water and other materials must not be added.

Working Conditions:

Do not apply Keim Concretal Lasur with substrate and ambient temperatures under +5°C and above +30°C and above 80% relative air humidity. It is imperative to protect the facade during the application from rain and direct sunlight.

Waiting Periods:

Between the different coats, approx 24 hours, after Keim Silangrund approx. 4 hours and after Keim Silan 100 approx. 4-24 hours.

Consumption:

For hiding two-coat system:

Approx. 0.25 kg/m² Keim Concretal Lasur and approx 0.04 litres of keim Concretal Fixativ.

For low-pigmented two-coat system:

Different ratios depending on individual effects. The consumption rates given are approximate guidelines only and are valid for smooth fair faced surfaces. They depend on the substrate and individual project conditions, as well as the application methods and must be verified by a trial application.

Tools:

Clean immediately after use with water.

Storage:

Shelf life 12 months in tightly closed containers if stored cool but frost-free. Protect from heat and direct sun.

Identification Ref Ordinance of Dangerous Goods:

Not applicable

Product Code:

M-SK 01

Danger Class in Goods Traffic

Not applicable

Safety Instructions:

Cover surfaces which are not to be painted, in particular glass, natural stone, ceramic etc. it is recommended to wear suitable protective clothing for eyes and skin and so not eat, drink and smoke while working. Keep out of reach of children.

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