

KEIM CONCRETAL LASUR

Silicate based, ready to use

March 2024

PRODUCT:

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 pretreatment 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 Industries Ltd. for more information regarding these areas.

STANDARD PACKS:

Concretal Lasur	5 and 15 litre containers
Concretal Dilution (Fixativ)	5 and 15 litre containers

COLOURS:

According to our colour swatch Keim Palette Exclusiv range.

PROPERTIES:

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 Dilution (Fixativ) achieves different effects, e.g. spots, colour variations etc. can be equalised.

The binding agent is based on potassium silicate.

TECHNICAL DATA:

Material Characteristics	Keim Concretal Lasur
Density	1.13 g/cm ³
Water absorption co-efficient	w=0.05 kg/m ² h ^{0.5}
Vapour diffusion resistance	Sd=0.02 m

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 pretreatment.

For highly absorbent substrates or highly weather-influenced areas, a further hydrophobic substrate pretreatment 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 pretreatment with Keim Silangrund) and after approx. 4-24 hours (for the pretreatment with Keim Silan 100).

OBLITERATIVE 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 Dilution (Fixativ).
Finishing coat	Keim Concretal Lasur undiluted, evenly applied by brush, roller or spray.

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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 Dilution (Fixativ) in any ratio depending on the individual project requirements.

Before 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/m ² Keim Concretal Lasur and approx 0.04 litres of Keim Concretal Dilution (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 materials	Not applicable
Product code	M-SK 01

HEALTH AND SAFETY:

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 do not eat, drink and smoke while working. Keep out of reach of children.

Refer to Safety Data Sheet.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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MANUFACTURERS CONTACT DETAILS:

Manufacture location	Germany
Legal and trading name of manufacturer	KEIMFARBEN GMBH
Manufacturer address for service	86420 Diedorf, Keimstraße 16
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