

Technical Data Sheet

Silsan[®] Cream KL

Silicone impregnating agent and priming coat

Product description

Silsan[®] Cream KL is a cream-like, solvent-free impregnating agent based on alkyl-alkoxy-silanes. It confers long-lasting and reliable water repellence to mineral substances such as brickwork and façades. Furthermore, Silsan[®] Cream KL provides a comprehensive protection for brickwork and façade against efflorescence and destruction by water soluble pollutants as well as against frost damage and the attack of micro-organism.

The physical properties of the construction material, especially its water vapour permeability (sd-value) are barely affected by the product.

Silsan[®] Cream KL is a high viscosity cream which exhibits the following characteristic properties:

- simple, drip-free application with unproblematic overhead workability
- water and solvent-free
- high concentration of active ingredients
- alkaline stable
- does not build up a film
- extraordinary penetration depth, due to the long contact time with the material surface
- can be applied without any loss, in one single step and without material running

Silsan[®] Cream KL is suited to be applied on any kinds of mineral substances as for example

- mortars
- plaster
- porous concrete
- concrete
- limestone
- natural stone
- industrial made bricks and clinker

Particularly, Silsan[®] Cream KL is perfectly suited to be used for concrete repair.

Application

Silsan[®] Cream KL can be applied by rolling, painting or airless spraying. Due to its creamy character, a simple, drip and running-free application onto walls and ceilings is possible.

In general, a single application of Silsan[®] Cream KL is sufficient, whereby, at a very dense, high-quality concrete, a quantity of 200 g/m² is sufficient.

Application quantities up to 400 g/m² are possible.

The silane active ingredient penetrates the substrate within 30 minutes to several hours, depending on the porosity of the substrate. The milky-white cream course disappears without any residues.

Storage stability

The packages must not be exposed to direct sunlight or frost.

A storage temperature within a range of + 5 to + 25 °C must be guaranteed.

In originally sealed containers, Silsan® Cream KL may be stored for maximum of 9 months after the date of delivery.

Product properties of Silsan® Cream KL

Properties	Value
Composition	high viscosity cream based on silanes and siloxanes
Type of solvent	solvent-free
Appearance	milky, white, pasteous
Concentration	approx. 40 %
Flashpoint	n.a.
Viscosity (at 20 °C)	n.a.
Density (at 20°C)	approx. 0,84 g/ccm
pH value	n.a.
Packaging	plastic drums*
Storage stability	approx. 9 months at + 5 to + 25 °C

Note:

These figures are only intended as a guide and should not be used in preparing specifications.

* Packaging and transport information:

For reasons of safety during the transportation of plastic drums, please observe the following packaging units when placing your order:

50 kg plastic drums: 6 x 50 kg or 12 x 50 kg on a pallet, wrapped in cardboard
125 kg plastic drums: 5 x 125 kg on a pallet

Special storage and recommendations for use:

- Store the product in a cool, dark place
- In order to prevent contamination with bacteria and fungus spores from the ambient air, the containers should only be opened to remove the product required and be subsequently closed once more. In particular when using plastic drums, see that no dust or dirt from the atmosphere falls into the open drum.
Close the drum immediately after the product has been taken out.
- When a dipper is used, it must be cleaned thoroughly before immersion.
- Once the containers have been opened, use up the complete contents as quickly as possible.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials in order to provide for local processing conditions over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.