

CORISILK MINERAL SILICATE PAINT

Description

Corisilk is ready-mixed mineral silicate paint for internal and external use, which petrifies with the substrate due to a chemical reaction.

Application area

Thanks to its intrinsic qualities, Corisilk is utmost resistant to atmospheric pollution and can as such be applied in the most severe climatic circumstances. Corisilk can be applied on all types of mineral substrates like bricks, natural stones, renders and plasters, etc.

Its mineral appearance and excellent light fastness, due to the use of natural pigments, make of Corisilk a very suitable paint for the restoration of historical sites and monuments, as well as for the application in contemporary architecture.

Furthermore, due to its typical mineral properties, Corisilk is utmost preferable for the use in a bio-ecological context and anywhere where the presence of bacteria is a reason for concern (food storage houses, hospitals, schools, etc.).

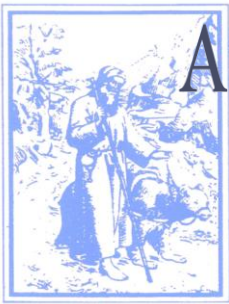
Properties

Corisilk is known for its:

- matt and mineral appearance
- excellent light fastness
- high-coating capacity
- high vapour diffusion (99%)
- free of solvents
- anti-allergic and inhibits the growth of moulds and bacteria
- non-flammable

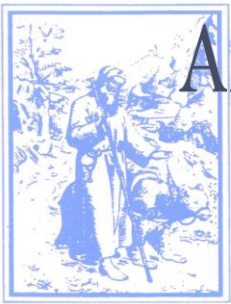
Due to its high alkalinity, Corisilk can be applied immediately onto new renders, masonry joints, etc. Corisilk can also be applied in a transparent 'lasur' technique.





Technical data

Binder	liquid potassium silicate
Additives	dispersion and moistening agents and thickeners
Mineral additives	crystalline carbonates
Solvent	water
Viscosity	thixotropic
Specific gravity	1,40 kg/l (in function of colour)
Water vapour permeability (Sd)	0,07 m
Capillar water absorption	0,20 kg/m ² h ^{0.5}
Fire resistance classification	non-flammable
Drying (at 25°C)	repaintable after 3 to 5 hours dry after 10 to 15 hours
Pigments	rutile titaniumdioxide and mineral pigments, resistant to UV-light, acids and weak alkalis
Colours	white and 112 colour shades
Sub-category of products (2004/42/CE)	cat. A/a PA
Limit value COV	< 75 g/l (> 30 g/l as of 01.01.2010)
Maximum contenance COV	< 20 g/l
pH	10 – 12
Indicative consumption	6 – 8 m ² /l for 2 layers
Packing	plastic bucket of 1 l, 5 l and 15 l
Storage in suitable environment	12 months



Preparation of the substrate

The substrate needs to be stable before applying Corisilk. Corisilk can be applied onto renders, plasters, brickwork, natural stone and insulating block masonry. Remove pulverizing finishes or clean them with an adapted product, if still in a good condition. Stone repairs, repointing and repairs to damaged brickwork and/or loose renders are preferable done by means of Unilit natural hydraulic lime mortars.

Old synthetic paint layers are removed preferably, certainly in external conditions. If maintained, the - still well preserved - paint layers are cleaned with a solution of ammoniac (2 to 5%) and water and followed by the application of an adhesion layer of Corifondo.

Application

In order to prepare an unstable substrate, a layer of Fondosilk is applied first of all. In the case of a porous and absorbent surface a layer of Fondosilk Consolidant is applied. Fondosilk Consolidant is applied as well when large differences do occur in absorption. On synthetic paint layers an adhesion layer of Corifondo is applied in internal conditions. Never apply Corifondo in external conditions onto monolithical walls.

If the substrate is dry and work is done in hot conditions, it is recommended to humidify the substrate before applying the first layer of Corisilk.

Before applying the first layer of Corisilk, the silicate paint is diluted first with 20% of Fondosilk. The prepared mix is subsequently diluted with 20 to 30% of water, in function of the absorption rate of the substrate and the climatic conditions, and applied with a brush, paint roller or paint-spraying (airless, diluted with 30 to 40 % of water, nozzle 0,79mm) equipment.

The second layer of Corisilk is subsequently diluted only with 25 to 30% of water, in function of the absorption rate of the substrate and the climatic conditions.

The product is applied with a brush, paint roller or paint-spraying (airless) equipment. The temperature should be between +5°C and +35°C. Do not apply Corisilk during foggy and windy weather or on surfaces exposed to direct sunshine.

Consumption

Indicative consumption 0,190 l/m² in two layers

The average coverage per 1 litre of silicate paint amounts 6 to 8 m² in two layers.

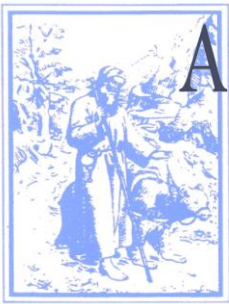
Safety precautions

Corrosive product, irritating for eyes and skin. Wear a suitable protection upon application, as well as safety goggles and impermeable protective gloves.

Cover glass, ceramic, metal and stone surface and window frames, which should not be painted, with impermeable membranes. Stains should be removed immediately. Keep away from children. Do not throw any leftovers in the environment.

Packing

Plastic buckets of 15 litres, 5 litres and 1 litre.



Storage

The stability of the silicate paint is at least 6 months provided being stored in airtight closed containers and suitable environmental conditions. Store in a cool and dry environment, outside the reach of frost and direct sunlight. Protect from heat sources.

Remarks

The current data sheet replaces any previous version.

Our advice and information are given in good faith and depending on the latest developments of our products. We guarantee the consistent quality of our products, but do not accept any liability concerning their application. In any case, we do recommend to consider the type of substrate and the climatic conditions before applying our products or to apply a test surface in order to analyse the suitability of the product for the given substrate.

In case of doubt regarding the substrate, consult our technical service department.