

KoSil.S

Finishing plaster made of potassium silicates and siloxanes

KoSil.S is a paste for indoor and outdoor coverings, ready to use, alkali resistant, made of silicates and marble sand. It is available in different colour tonality and grain size.

PRODOTTO ITALIANO
MADE IN ITALY



BioEdilizia

Use

It is used as water repellent and transpiring finishing plaster for outside walls.

It can be used on concrete surfaces, lime plasters and shimming plasters (KoMalt.G) for the BioVerd cork covering system, after the application, by paintbrush or roller, of the KoSil.F. Do not apply on old organic paintings, as it wouldn't adhere to the surface, on gypsum and plasterboard surfaces, and on surfaces with crumbling and detachment.

Do not apply on fresh or alkaline surfaces. Critical surfaces must be subjected to a special qualifying exam.

Application

The surface must be dry and seasoned, clean, tick, free of dust and oil, without humidity and salts. The plaster is a paste ready to use. It is necessary to mix the product before the application, which will be done with a stainless steel or plastic darby. Later, finish with the plastic darby to obtain the desired aesthetic effect.

The plaster must be applied on new, stable, dry, smooth, free of dust and soot, alga and fungus resistant surfaces, after the application, by paintbrush or roller, of the KoSil.F.

Item specification

... Water-repellent and transpiring coloured paste covering for inside and outside walls, ready to use, alkali resistant, with potassium silicates, siloxanes and marble sand (KoSil.S), for thermal covering insulation systems for outdoor made of light cork (BioVerd coating) ETA and CE certificated ...

Advices

- Do not apply on frozen or thaw surfaces
- Do not apply directly on paintings with obvious crumbling and detachment
- Protect from direct sunbeams and driving rain for the first 48-72 hours. The actual temperature and the air humidity can accelerate or slow down the drying process.
- Avoid contact with eyes and skin.
- After the use, wash the equipment with water.



**Applied technology
of natural cork
for acoustic and
bioclimatic insulation
Acoustics division
Energy division**

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ISO 9001

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Technical data sheet

Description: paste, ready to use

Grain sizes and yield: 1,0 mm app. 1,7 Kg/m²
1,2 mm app. 2,0 Kg/m²
1,5 mm app. 2,6 Kg/m²
2,0 mm app. 3,2 Kg/m²

Yield can vary according to surface roughness and processing technique

Drying time: 3-4 hours app. at +20°C and 70% R.U.

Application temperature: between +5°C and + 30°C and 70% R.U.

Conservation: The product should be stored in its original and complete package, temperature between + 5° C up to + 30° C; it has a life of 12 months

Package: Polypropylene tin (25 Kg)

Binder: Potassium silicate

Specific weight: 1,85 Kg/L

Percentage of solid content: 85 app.

PH: 11

Viscosity Brookfield: 56.000 cps aT 20 °C

Hardening minimum temperature : + 4 °C

Dirt inclination : ΔL = 0,99

Frozen and thaw tests: No damage, flaking, wear

Equivalent air layer thickness (UNI EN 7783/2): Sd = 0,15

Permeability degree of water vapour (UNI EN 7783/2): V = 130 g/m²d (Middle - High)

Permeability degree of water (UNI EN 1062/3): W = 0,12 Kg/(m² * h0,5) Class II

EU limit value of VOC (Directive 2004/42 / EC) for outside walls covering (Cat A/c), 75 g/L (2007), 40 g/L (2010): < 30g/L of VOC



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Advices

- Always check the material before the application, to be sure that the colour tonality matches with the required one. Any claims about the colour tonality will not be accepted after the application.
- It is not possible to ensure a drying without colour differences (spots) due to:
- The atmospheric and physical conditions of the building
 - The presence of a scaffold
 - The conditions of the substrate (for example: structure, absorption power, etc.)
 - The use of natural raw materials
- To avoid colour differences, large surfaces must be carried out only with products coming from a single lot of goods
 - All further orders must be identified as a "continuation" with the date of the first order



Product used in the
BioVerd covering system
Biologically pure



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MADE IN ITALY



This technical data sheet replaces and cancels all previous versions (if in doubt please check the code of the form showing the revision date and, possibly, visit our website www.coverd.it in the dedicated section). Indications and regulations above described, are based on our current technical and scientific knowledge, which, in any case, are to be considered merely indicative, as the conditions of use are not verifiable. Therefore, the customer must check the suitability of the product in its specific case, taking on the responsibility for its use, by releasing Coverd from any claim damages. For any further information please contact our technical department.