



SAKRET KS S Silicate structure paint for exterior works

26 04 2019

Completely matte potassium silicate water basis structure paint for mineral surfaces

Application:

- For exterior works;
- For facade decoration.

Suitability:

- For concrete surfaces;
- For lime, lime-cement plaster;
- For silicate brick surfaces;
- For painting of new surface;
- For surfaces, previously painted with lime, lime-cement, cement, silicate paints;
- Not suitable for surfaces, painted with alkyd, acrylic, latex or silicone paints.

Quality:

- Ecologically clean;
- Tintable;
- Non-flammable;
- Complete matte;
- Very good water vapour permeability;
- Good coverage;
- Contains substances that delay formation of microorganisms' colonies.

Components:

- Potassium silicate solution;
- Copolymer dispersion;
- Pigments;
- Inert fillers;
- Biocide;
- Technological additives.

Technical data:

Tone	White and can be tinted (light and medium tones)
Maximum grain size	0,5 mm
Solvent	Water
Gloss	Complete matte
Water vapour permeability (ISO 7783-2)	Sd < 0,14 m, class 1
Water permeability (EN 1062-3)	W > 0,5 kg/m ² /st ^{0,5} , class 1
Drying time at 23°C and relative air humidity 50%	Surface can be painted repeatedly after 12 h
Density, g/cm ³	1,58 – 1,62
pH	10-11,5
Solids content, %	65



SAKRET KS S Silicate structure paint for exterior works

26 04 2019

Foundation preparation:	<ul style="list-style-type: none"> • Paintable surface must be firm and dry (surface humidity $\leq 2\%$). • Not previously painted surfaces must be cleaned off salts, dirt and dust. • Dense and even concrete surfaces that appeared after taking off the mould shall be processed with sand jet or wire brush. • Fresh surfaces, after construction works are finished, shall be primed and painted not earlier than after 28 days, ready-made decorative silicone-silicate plastering (SAKRET SMS) – after the plastering is completely dry. • Previously painted surfaces must be cleaned off peeled paint. • Colonies of microorganisms, if such exist shall be processed with agent SAKRET FR. • Fill surface cracks and other types of grooves and irregularities with SAKRET putty FIN Plus, SFP, SFP Fine, LCC, CC. Choose the putty according to the base. Do not use putties of polymer binders for levelling of mineral surfaces. • In cases of major surface damage, use SAKRET plasters CLP+, HM 10, HM 12, HML 1, HML 4, MAP-MFF, PM Super, ZM, MultiMix • Allow the materials used in the repair to harden and dry • Protect places that shall not be painted (metal surfaces, window glass etc.). • Surface shall be primed with SAKRET KSG or SAKRET KSP primer. For porous and absorbing surfaces use SAKRET KS P. • Primer shall be applied so much as the surface can absorb.
Processing:	<ul style="list-style-type: none"> • Painting can be done 12 hours after priming. • Paint shall be mixed properly before usage. • Paint is ready for use. • Paint with roller for structure paint. • Full surface plane shall be covered at once, so that paint coverage places are not formed.
Additional recommendations for application:	<ul style="list-style-type: none"> • The colourable surface and air temperature during painting and drying time must be $+5\text{ }^{\circ}\text{C}$ till $+25\text{ }^{\circ}\text{C}$) and relative air humidity not more than 80%. • Do not paint in direct sun light, during rain or strong wind. • If more than one paint container is needed in construction object, to avoid tone differences, the paint residue in started container (about $\frac{1}{4}$) must be mixed with the next full container. This procedure shall be repeated till the painting work is completely finished. • Different porosity of the surface to be painted as well as changes (fluctuations) of temperature and humidity during painting and drying may cause unevenness of the tone. • Tools shall be washed with water straight after work is finished
Consumption:	<ul style="list-style-type: none"> • 2 – 4 m²/l, covering in one layer. • Consumption depends on surface roughness and porosity as well as painting method and conditions.
Packing:	<ul style="list-style-type: none"> • PP bucket 9 l / full pallet 33 pcs.
Storage:	<ul style="list-style-type: none"> • Storage time in original, closed packing – 24 months. • Store in temperature $+5\text{ }^{\circ}\text{C}$ till $+30\text{ }^{\circ}\text{C}$. • Protect from frost!
Utilization:	<ul style="list-style-type: none"> • Packing shall be utilized in compliance with local legislation demands.
Safety information:	<ul style="list-style-type: none"> • Safety phrases are on packing and in safety data sheets. • Permissible VOC content (sub-group A/c) 40 g/l. Maximum VOC content in product 20 g/l.

**SAKRET KS S Silicate structure paint for exterior works**

26 04 2019

Additional information:

- Technical data refer to temperature $+23\pm 2^{\circ}\text{C}$ and relative air humidity $50\pm 5\%$.

Paint (base)	Packing 1	Packing 2	Barcode
	9 l	33 pcs./pallet	4751006565005

The information provided in the technical data sheet is based on laboratory tests and practical experience. The producer is not responsible for losses caused by wrong usage of the given product. In case of questions or uncertainty, please contact producer or seller. Information on product's safety is available in safety data sheets, declared values – in declaration of performance.