

PAINT TYPE	<p>Water-borne, inorganic, one component, full-matt facade and indoor paint for mineral surfaces, with potassium waterglass as binder.</p> <p>The product has been classified to Group M1 in Emission Classification of building materials.</p>
USAGE	<p>SILIKATFÄRG is a traditional facade paint for mineral surfaces. It is also suitable for painting of walls and ceilings indoors where a traditional full-matt appearance of the painted surface and/or breathability is required: houses, commercial, industrial and storage buildings as well as caves, cellar spaces etc.</p> <p>For painting of lime plaster, lime cement plaster and cement plaster as well as concrete, cement fibre board and lime-sand brick. SILIKATFÄRG can also be used for maintenance painting of surfaces previously painted with lime paint, lime cement paint, cement paint or silicate paint.</p>
SPECIAL PROPERTIES	<p>Silicate paint film has good water vapour permeability and breathability.</p>
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TECHNICAL DATA	
Solids	About 33 % by volume
Density	1,5 g/ml
Volatile organic compound (VOC)	EU VOC limit value (kat A/c): 40 g/l. The product's VOC: max. 40 g/l.
Practical spreading rate	3 - 5 m ² /l The values may vary considerably depending on the absorbing properties and construction of the substrate.
Drying time +23°C, the relative air humidity 50%	
Overcoatable	after 12 h The drying process will be slower in cold and/or damp.
Thinner, clean up	Water
Finish	Full-matt
Colours	Base paint 1 Light colours of SILOKSAN Colour Chart. Teknomix tinting group SIL. The use of organic pastes and pigments in tinting is to be avoided. It is characteristic for this paint type that the appearance of the colour varies according to the application method. Therefore we recommend that the colour choice is checked by painting a test area.
Water vapour permeability	sD < 0,14 m (for system SILIKATBINDER + SILIKATFÄRG, EN ISO 7783-2)
Packages (availability varies by country)	Base paint 1: 2,7 L, 9 L
SAFETY MARKINGS	See Safety Data Sheet.

DIRECTION FOR USE**Surface preparation****NEW SURFACES:**

New concrete element or cast surfaces can be painted with SILIKATFÄRG when a minimum of one month has passed after the casting, the surface is completely bound and no longer wet or matt moist. In measurements the moisture values of the concrete must be under 97% as relative humidity (RH) or 4% as per cent by weight.

It is recommended that new plaster surfaces are coated only after a hardening time of 6-8 weeks.

Remove all dirt, dust and other loose impurities from the surfaces by cleaning with high pressure washer, if needed. When needed, add sand to the washing water or use a steel brush or similar in order to achieve sufficient surface profile (e.g. mould-cast surfaces). NB! When painting concrete element, laitance must be removed before painting.

PREVIOUSLY PAINTED SURFACES:

Remove flaking and poorly adherent or chalking, pulverized (e.g. lime wash) old paint coats. The method to be used is chosen depending on the strength of the substrate and the type of the paint to be removed (e.g. wire-brushing, hot pressurized-water cleaning or water-sand cleaning). Remove also poorly adherent, brittle plaster and concrete surfaces. Patching of the plaster and other repairs are made using appropriate mortars to the level of the surrounding surface. Finish the repaired areas carefully and let them harden before they are painted.

Priming

Priming is not needed on solid cement plaster, concrete or painted surfaces. Strongly absorbent porous substrates, such as plaster and surfaces painted with lime paint, are pretreated with SILIKATBINDER Silicate Primer diluted with water in the ratio of 1:1.

Priming

PRIMING is done with a mixture of SILIKATFÄRG Silicate Paint and SILIKATBINDER Silicate Primer. Mixing ratio 2:1.

Top coating

Before use stir the paint thoroughly.

SILIKATFÄRG Silicate paint is top coated once or twice depending on the opacity of the colour and the desired surface structure. The paint may be diluted with water by 5 – 10 %. Reserve a sufficient amount of paint of the same manufacturing and tinting batch for each uniform surface to prevent possible colour differences. Plan the application so that the working joints and seams are placed along natural lines of the structure.

POSSIBLE TOUCH-UP PAINTING: When painting e.g. repairs caused by rack mounting, colour differences may be diminished by adding abt. 10% SILIKATBINDER Silicate primer into SILIKATFÄRG Silicate paint.

NB! Silicate paint is corrosive. Protect glass, glazed, natural stone and metal surfaces. Wear eye and skin protection.

Application equipment

Apply the paint by brush, stippling brush, roller and/or airless spray. Recommended nozzle size for spray is 0.017 - 0.021".

Application conditions

During the application and drying period the temperature of the ambient air, the surface and the paint shall be above +10 °C and the relative air humidity below 80%. Avoid application in direct sunlight.

STORAGE

Must not freeze. Storage life: about 12 months.

The information of this data sheet is based on laboratory tests and practical experience. The figures are for guidance only and depend on, for example, colour and gloss. As we have no control over the use and application conditions, we are only responsible for the quality of the product and guarantee that it conforms to our quality control. We accept no liability for any loss or damage resulting from the application of the product contrary to the directions or the intended use. The latest versions of our data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.



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