

BIOFA Silikat-Farbkonzentrate (Silicate Colour Concentrates) according to DIN 18 363 Art. No. 1410-1419

Properties

Ready-to-use mineral paint based on potassium silicate according to DIN 18363/2.4.1. with light-fast pigments. For tinting EUROMIN Dispersion Silicate Paint 1405, SOLIMIN Special Primer 3046, SOLIMIN Silicate Paint 3051, SOLIMIN Quartz Plaster 3055 Also suitable as full-shade toner for uncoated lime plaster, lime-cement plaster, loam plaster, concrete, lime sand bricks and similar mineral substrates as well as old, well adhering whitewash and silicate paint coatings.

Attention! Do no use on dispersion paints and water-repellent substrates.

Ingredients

Water, chalk, potassium silicate pigments depending on colour shade, mineral powder consisting of chlorite, mica and quartz, pure acrylate, organic ammonium compound, fatty acid polyether derivate, sodium phosphonates, polysaccharide/starch, potassium methyl siliconate.

Instructions for use:

1. Pretreatment

Substrates must be solid, absorptive and clean. If necessary, clean with a high pressure cleaner. Remove dispersion, latex, oils and synthetic resin coatings entirely. **Cover alkali-sensitive surfaces!** Repair hair and shrinkage cracks as well as other plaster damage with mineral filling compound thoroughly. If needed apply a pre-coat of SOLIMIN Special Primer 3046 or SOLIMIN Quartz Plaster 3055. Remove formwork release oil residues with respective cleaner. Sand off calc-sinter layers or remove with fluat. Pre-treat highly absorbent and sanding sub-surfaces with Universal-Fixative 1440.

Remove all soiling, mould, fungoid growth, moss and algae thoroughly from old facade surfaces by means of a high pressure cleaner prior to painting. Remove all plant parts and sucking pollen (encroaching and adhesive roots) entirely from infested facades mechanically and/or by scorching. Otherwise these organic remains may cause

bleeding, discolouring or flaking of the paint in these areas at a later point of time.

Surfaces from which wallpaper has been removed must be slightly sanded (grit size 60-100). Remove dust thoroughly (first use a broom or vacuum cleaner, then wipe with a damp cloth) or clean thoroughly with a brush and hot water. Prime with Universal-Fixative 1440 after 24 hours of drying. Wallpaper paste residues may cause adhesion problems.

Important note: When coating the different substrates with aqueous, open-pored coating systems, certain substances such as lignin, nicotine, rust, various salts and moisture may bleed through from the substrate or lead to discolouring or colour differences. This is why it is absolutely necessary to check the substrates for suitability and carry out preliminary tests (sample surfaces). **Observe VOB (Contract Procedure for Construction Work)!**

2. Application

Stir BIOFA Silikat-Farbkonzentrat thoroughly. For tinting, add silicate colour concentrate to the respective silicate paint in the desired concentration and mix well until homogenous. When using pure silicate colour concentrates, two coats are usually applied by roller, brush or airless spraying. The first coat can be diluted up to 10% with fixative, the second coat up to max. 5%. When using strong colours for the base coat, mix the silicate-paint concentrate 1:1 with EUROMIN Exterior Paint White1405or with SOLIMIN Silicate Paint White 3051.

Important: Make sure the paint is applied evenly! Prepare wet into wet up to and along the edges! Only use soft paint rollers that can absorb enough material! Do tests!

Dried paint particles crumbling from the container rim or lid can be removed from the paint by sieving after dilution with fixative. For the treatment of other substrates, see the table on page 2.

Attention! Outside, do not apply at temperatures below 5°C, in heat (above 35°C in the shade) or in strong sunlight. As of 30°C, it is recommend to prewet the substrates before applying the first coat.

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3. Cleaning of tools

Clean with BIOFA Brush Cleaner 0600 and water immediately after use.
Remove dried stains with BIOFA NATOLE 4060.

Drying

Recoat after 16- 24 hours.

Consumption/spreading rate per coat

140-170ml/m² or 6-7m²/l on normally absorptive substrates.

Storage

Cool, dry, above freezing point and sealed airtight. Use up opened containers soon. Minimum shelf life: 12 months. **Attention:** Risk of thickening if stored too warm!

Container size

0.25 l / 0.5 l PE or PP containers.

Safety instructions

Keep out of the reach of children. Protect eyes and skin from paint splashes. After contact with eyes, skin or other alkali-sensitive substrate such as varnish, wood, metal, plastic, glass, natural stone, clinker, ceramics, etc. rinse with plenty of water immediately.

When spraying, do not breathe spray mist. Do not empty into drains, aquatic environment or soil.

Coating system for the EUROMIN silicate paint system outside

Mineral substrates	Instructions 1 for use	2	3	4	5	Consumption	l/m ²
New, fine, highly absorptive	Rinse	Fixative	Dispersion silicate paint with 10 % fixative	Dispersion silicate paint		Dispersion silicate paint	0.35
						Fixative	0.14
New, coarse, highly absorptive	Rinse	Fixative	Dispersion silicate paint with 10 % fixative	Dispersion silicate paint		Dispersion silicate paint	0.45
						Fixative	0.18
New, fine, slightly absorptive	Dispersion silicate paint + 10 % fixative	Dispersion silicate paint				Dispersion silicate paint	0.30
						Fixative	0.10
New, coarse, slightly absorptive	Dispersion silicate paint + 10 % fixative	Dispersion silicate paint				Dispersion silicate paint	0.35
						Fixative	0.14
Plaster, highly ab-	If necessary, rinse	Dilute fixative 1:1 with	Dispersion silicate paint	Dispersion silicate		Dispersion silicate paint	0.45

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Disposal

Dispose of liquid product residues at collection points for old paints/varnishes or dispose of according to locally applicable regulations. Small quantities of residue and soaked work materials can be disposed of along with domestic waste after drying.

Only recycle cleaned or completely empty packaging with cured deposits or dispose of according to locally applicable legal regulations. Uncleanable packaging and packaging not emptied appropriately must be treated and disposed of like the product!

VOC identification according to Decopaint Directive and ChemVOCFarbV (Directive on the limitation of emissions of volatile organic compounds due to the use of organic solvents in paints and varnishes):

EU limit value (cat. A/c): 40 g/l (2010)

1410-1419 contains max. 1 g/l VOC.

GISCODE: M - SK 01

Waste Incineration Ordinance[AVV]--

Waste Code according to European Waste Catalogue: 08 01 12

sorptive and highly crumbling		water, mix well several times	with 10 % fixative	paint		Fixative	0.20
Old with hair cracks	Fixative with 10-20% water	Silicate priming coat with 10% fixative	Dispersion silicate paint with 10% fixative	Dispersion silicate paint		Silicate priming coat	0.30
						Dispersion silicate paint	0.45
						Fixative	0.20
Old with hair and shrinkage cracks and severe damage	Fill and surface all respective spots thoroughly	Treat with fixative with 50% of water 1-2 times	Silicate priming coat	Dispersion silicate paint with 10% fixative	Dispersion silicate paint	Silicate priming coat	0.40
						Dispersion silicate paint	0.45
						Fixative	0.20
Old with textural differences	Fixative with 50% water	Silicate priming coat	Dispersion silicate paint with 10% fixative	Dispersion silicate paint		Silicate priming coat	0.40
						Dispersion silicate paint	0.45
						Fixative	0.16

Note: Observe drying times before treating new concrete or plaster:

Concrete: 30 days of drying

Plaster: 10 days of drying

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