

BIOFA EUROMIN Dispersions-silikatfarbe (Dispersion Silicate Paint exterior) according to DIN 18363 Art. No. 1405

Properties

Ready-to-use silicate paints made from potassium silicate, inorganic pigments and fillers with small amount of added organic auxiliaries according to DIN 18363/2.4.1. Suitable 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 not use on dispersion paints and water-repellent substrates.

Ingredients

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

Instructions for use:

1. Pretreatment

Substrates must be solid, dry, stable, in good condition, absorptive and clean. If necessary, clean with a high pressure cleaner. Remove dispersion, latex, oils and synthetic resin coatings entirely. **Cover alkali-sensitive surfaces!** Hairline cracks and shrinkage cracks and other types of damage to the plaster must be fully repaired using mineral spackle. Remove any traces of formwork oil using a suitable cleaner. Sand down any lime sinter layer or remove it with a fluorosilicate agent. Pre-treat highly absorbent and sanding subsurfaces 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, discol-

ouring or flaking of the paint in these areas at a later point of time.

For suitable coating systems on the different substrates, see the table below.

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. Basecoat

Stir BIOFA EUROMIN exterior paint thoroughly and apply by roller, brush or airless spraying. The first coat can be diluted up to 10% with Universal-Fixative 1440 on normally absorptive plaster substrates. Dried paint particles crumbling from the container rim or lid can be removed from the paint by sieving after dilution with fixative. **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! Attention!** 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 recommended to prewet the substrates before applying the first coat.

3. Topcoat

The second coat can be diluted up to 5% with Universal-Fixativ 1440.

4. Cleaning of tools

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

Tinting

This exterior silicate paint can be tinted according to RAL or NCS with BIOFA Silikat-Farbkonzentrate (Silicate Colour Concentrates) 1410-1419 or in the factory.

Drying

Recoat after 16- 24 hours.

Consumption/spreading rate per coat

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140-170ml/m² or 6-7m²/l on normally absorp-
tive 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

4 l / 10 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 substrates 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.

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)

1405 contains 1 g/l VOC.

GISCODE: M - SK 01

Waste Incineration Ordinance[AVV]-
Waste Code according to European Waste Catalogue: 08 01 12

Coating system for the EUROMIN silicate paint system exterior

Mineral substrates	Instructions 1 for use	2	3	4	5	Consumption	l/m ²
New, fine, highly absorp- tive	Rinse	Fixative	Dispersion silicate paint with 10 % fixa- tive	Dispersion silicate paint		Dispersion silicate paint	0.35
						Fixative	0.14
New, coarse, highly absorp- tive	Rinse	Fixative	Dispersion silicate paint with 10 % fixa- tive	Dispersion silicate paint		Dispersion silicate paint	0.45
						Fixative	0.18
New, fine, slightly ab- sorptive	Dispersion silicate paint + 10 % fixative	Dispersion silicate paint				Dispersion silicate paint	0.30
						Fixative	0.10
New, coarse, slightly ab- sorptive	Dispersion silicate paint + 10 % fixative	Dispersion silicate paint				Dispersion silicate paint	0.35
						Fixative	0.14
Plaster, highly absorptive and highly crum- bling	If necessary, rinse	Dilute fixative 1:1 with wa- ter, mix well several times	Dispersion silicate paint with 10 % fixa- tive	Dispersion silicate paint		Dispersion silicate paint	0.45
						Fixative	0.20
Old with hair cracks	Fixative with 10-20% water	Silicate priming coat with 10% fixative	Dispersion silicate paint with 10% fixa-	Dispersion silicate paint		Silicate priming coat	0.30
						Dispersion	0.45

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			tive			silicate paint 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 Dispersion silicate paint Fixative	0.40 0.45 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 Dispersion silicate paint Fixative	0.40 0.45 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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