

DESCRIPTION

Mineral binder paint based on potassium silicate, formulated according to DIN 18363. Potassium silicate reacts chemically with the substrate and binds to it without creating a film, leaving the physical properties of vapour permeability unaffected.

With its high alkalinity, Biohome offers greater resistance to mould than common interior paints, with drying times that allow rapid use of living spaces.

It is characterised by high water vapour diffusion, ensuring dry, condensation-free walls even in areas with a high concentration of vapour, such as kitchens and bathrooms, and can therefore be used as a finish in dehumidifying systems.

The product is highly breathable and guarantees a pleasant climate in the rooms in which it is used; it does not encourage the growth of mould, which is harmful to health, and is therefore also suitable for use in damp rooms.

Biohome is ideal for rooms where air hygiene is particularly important (e.g. schools, hospitals, kindergartens), without compromising healthiness. The natural binder does not promote allergies.

Its quality ensures an excellent level of protection, filling and opacity even on large surfaces; it provides a compact, homogeneous finish with low dust retention and is easy to clean with a damp sponge.

COMPOSITION

Product formulated with potassium silicate, waterborne acrylic resins free from plasticisers, coalescent or ammonia, and selected aggregates

PROPERTIES OF DRIED FILM

	Class EN 13300	Method	Value
Gloss level	Very Matt	UNI EN ISO 2813	Gloss < 5
Dirt retention	low	UNI 10792	$\Delta L > 3 \text{ e } \leq 9$
Opacity level	3 (10m ² /l)	ISO 6504-3	$\geq 95 \text{ e } < 98$
Wet scrub resistance	3	ISO 11998	$L_{dfr} \geq 20 \text{ e } < 70 \mu$
Solid by weight		Internal PF25	60-64 %
Drying time		Internal PF2	recoatable 4-6h; fully 5 days

SPECIFICATION DATA

Specific weight Internal PF3 1430-1530 g/l

SHELF LIFE

1 year minimum, stored in its unopened original can at temperatures between +5°C and +30°C.

COLOUR RANGE

White

TYPICAL USE

Silicate-based paint for interiors according to DIN 18363 for mineral substrates (organic portion less than 5%).

It is ideal for decorating and protecting new structures or structures undergoing maintenance that have a variety of substrates such as plasters with different compositions (cement, common lime, premixed), concrete and fibrocement, plasterboard, filler skims and old silicate or lime-based paint, - even with pastel

colours - with excellent aesthetic results and at reasonable costs. For spray applications, ensure that the substrate is dust-free and avoid excessive atomization of the product by regulating the pressure, nozzle and thinning so as to ensure that the paint sprayed sufficiently wets the surface. On substrates subject to biological pollution due to mould, add 2 litres of anti-mould agent A10 for every 14 kg of paint. Since the product hardens by a chemical reaction with the substrate, it is important to cover the surfaces that do not require painting (glass and marble) and to remove any colour stains immediately. Clean tools with water.

TOOLS

Roller, Brush, Spray.

THINNING

Roller, Brush: 10-20% by volume with water.
Airless Spray: 5-10% by volume with water.

COVERAGE

8-10 m²/l per coat.

APPLY

+5°C +30°C

COATING SYSTEM

Cement-based, gauged mortar and hydraulic lime-based plasters, reinforced concrete, new prefabricated structures.

1. Remove any traces of dust and stop up any imperfections with *Stucco Light* non-shrink filler.
2. Apply two coats of *Biohome* paint, 4-6 hours apart, on the dry substrate.

Stucco, lime, gypsum, plasterboard, old synthetic paints and other highly absorbent or uneven substrates due to numerous fillings

First apply an undercoat of Unifix diluted 20% by weight with water (for rough finishes) or Silicap Fix (for smooth finishes) and proceed as per point 2.

Maintenance of a surface painted with *Biohome*

Wipe any dirt off with a wet sponge. As soon as the substrate is dry, apply one or more coats of *Biohome*.

SPECIFICATION ITEM

Silicate-based mineral paint with a very matt finish for interiors, pigmented with inorganic pigments, non-flammable, with high breathability and a consumption rate of 220 ml/m².

INSTRUCTIONS

To carry out the work in a proper way, it is needed to strictly follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books. This technical information is intended as a rough guide. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and test the effectiveness on a sample. The specification data and technical information have been calculated at +23°C with relative ambient humidity of 65%. In different conditions the data and the time intervals between the two phases of the above reported coating system can vary.