

**DESCRIPTION**

Paint with potassium silicate-based mineral binders according to DIN 18363. Due to its chemical nature, it does not form a film, but hardens by reacting chemically with the substrate. Thanks to its high alkalinity, Biohome gives a higher resistance to mould compared to common indoor paints with drying times that allow rapid use of the area. The paint is characterised by a high water vapour diffusion; this makes sure that walls are dry and without condensation even in rooms that are subjected to a high concentration of steam, such as kitchens and bathrooms, therefore it can be used as a finish in dehumidifying systems

The product is highly breathable; this means that the high water vapour permeability guarantees a pleasant climate in the rooms where it is used; it does not foster mould that is harmful to health and is therefore also suitable for use in damp rooms such as kitchens and bathrooms. Biohome does not endanger air hygiene and is particularly suitable for environments where air hygiene plays a particularly important role (such as schools, hospitals and kindergartens). The natural binder does not promote the onset of allergies.

Thanks to its high quality, a excellent compact and even finishing level is obtained, guaranteeing excellent filling properties and an even opaque finish even on large surfaces against the light; it provides a low dust retention film that is friction-resistant, easy to remove stains from with a damp sponge, to guarantee easy cleaning.

**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 <sup>2</sup> /l)	ISO 6504-3	$\geq 95 \text{ e } < 98$
Wet scrub resistance	3	ISO 11998	$L_{dft} \geq 20 \text{ e } < 70 \mu$
Solid by weight		Internal PF25	60-64 %

**SPECIFICATION DATA**

Specific weight	Internal PF3	1430-1530 g/l
Drying time	Internal PF2	recoatable 4-6h; fully 5 days
Opacity	Internal P11	> 95

**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 m<sup>2</sup>/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.

**Filler, lime and plaster skims, plasterboard, old synthetic paint and other substrates that are highly absorbent or uneven due to the stopping up of various imperfections.**

*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/m<sup>2</sup>.

## 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.