

FoamLime[™]

FoamLime[®] Pintura Silicato

DESCRIPTION

Covering for both indoor and outdoor use, especially formulated to be applied over substrates carried out using mineral lime mortars such as FOAMLIME[®] BASE; mineral paint based on a dispersion of stabilized potassium silicate in compliance with DIN 18 363 paragraph 2.4.1 and reinforced with EPH DRY TECHNOLOGY-- hydrophobic compound made of silicon nanoparticles which react together creating a three-dimensional reticule which does not block pores and allows water vapour diffusion, thus creating a waterproof effect that sweeps dust and impurities away from the facades and produces a self-cleaning effect.

PROPERTIES

- High-adherence matt mineral surface.
- Anti-mold.
- Water vapour breathable and highly permeable to CO₂.
- Non film-forming.
- It reacts insolubly with the substrate, consolidating it completely by means of micro-silicatization.
- Reduced tendency to dirtiness and long lasting.
- Non-thermoplastic, fireproof and anti-static.
- Highly resistant to UV radiation, industrial-gas emissions and acid rain.
- Rain-proof, even after only a few hours after application.
- Ecological due to its properties and composition—no added solvents.
- Applicable over all kinds of mineral supports.

PLACING

PREPARATION OF THE SUPPORT

- The substrate must be dry, healthy, clean and free of any remains of dust, liquids, spalling, etc. If the surface is old, loose particles of paint must be eliminated by mechanical means or by using pressurized water.
- Eventual efflorescence remains should also be eliminated as well as any other substance that could hinder a good adherence.
- When applied over repaired surfaces with texture differences or capillary fissures, a coat of SILEX RX will be applied (fine silicate render).
- The minimum period of 10 to 15 days should be observed—until a unified tone appearance is achieved, showing no water-retention stains—before applying the silicate-based paint over a new natural-hydraulic-lime finish, depending on the weather conditions.
- The surface is painted by applying two coats of paint.

APPLICATION

- Stir well before use by means of a mechanical stirrer until perfect homogenization in order to enhance its application and speed of work.
- To prepare the surface, apply a background coat of paint diluted with IBERCAL PRIMER SILICATO and water following the proportion: 1 part of paint, 1 part of water and 1 part of primer. Let dry for at least 12 hours.
- Once this period of time is past, apply a single coat of undiluted silicate paint or diluted with primer to a 5% maximum as a finishing coat.
- Do not apply at temperatures below 8°C or under humidity over 80%.
- Avoid painting over surfaces exposed to heavy sunlight.

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WORKING PROCEDURE

- Work complete stretches and wet-on-wet so as to obtain the maximum colour intensity; this is especially relevant for intense-tone silicate paints.
- It is advisable to carry out the application between two people: one loads the surface with paint using the roller while the other, before the load is dry—about two minutes, tips it off with another roller without leaving an excessively thick coat of paint.
- For a correct application, spread the paint very well and homogenously over the surface.
- Paint upwards to avoid dripping.

Application tools

- Wide brush—similar to those used formerly to whitewash walls, short-hair cotton roller or airless spray gun.

TECHNICAL INFORMATION			
Trade Name: FOAMLIME® PINTURA SILICATO.			
Appearance:	White or coloured thick paste.		
Presentation:	Buckets; Approx. 5 and 20Kg		
Base binder:	Hybrid combination of potassium silicate/acrylate emulsion.		
Solvent	SILEX PRIMER SILICATO max. 5%.		
Cleaning:	Water, immediately after use.		
Finish: Matte mineral.	Specific weight: 1.45 g/cm ³ .	pH: Approx. 11.	Organic matter content: < 5%.
Permeability to water (w): < 0,10 [kg/(m ² · h ^{0,5})].	Colours: Colour chart.	Estimated yield per run: From 5 to 8 m²/kg (Stated consumption is indicative; an exact consumption will be determined by sampling on site).	
Drying time to touch (20°C RH: 60%): 2 h.	Repainting (20°C HR: 60%): 12 h.	Application temperature: Between 8 and 35 °C.	
Storing: store in a cool place, protected from freezing, heat and direct sunlight and in a closed container.			