

PITTURA AI SILICATI



Water - based paint based on potassium silicate

High water vapour permeability

Excellent adhesion to the substrate



Prodotti Professionali

Code

0827

Description

It is a water - based paint based on modified potassium silicate, selected charges and pigments resistant to natural light. Potassium silicate reacts with carbon dioxide in the air to produce a strongly alkaline chemical reaction called silication. This chemical process leads to the consolidation of the substrate down to its depth, thus eliminating the phenomenon of flaking. In addition, the considerable increase in alkalinity creates a favourable environment for the anticorrosive protection of the metal reinforcements, if present, and preserves the substrate from mould formation. Once dry, it creates a film - free coating with high water vapour permeability, excellent resistance to ageing, excellent resistance to weather, good resistance to temperature variations and very low dirt retention.

Use

Painting with silicate paints is particularly recommended for historic buildings and new constructions with untreated plaster both for the interior and for the exterior and where excellent resistance to weather and high water vapour permeability are required. Its final aesthetic appearance is very pleasant and natural with slight colour nuances. It is only applied to mineral plasters or plaster surfaces.

Appearance of the film	matt				
Component	1				
Hardening	Chemical reaction				
Specific weight	from 1,480 gr/ml				
VOC	15 gr/ liter				
estimated yield	10 - 11 m ² / litre on substrates with an average porosity				
Flash point	Component A > 114°C				
Preparation of surfaces	Plasters: Make sure that the substrate has passed a curing time of 28 days and that its humidity is less than 10 %. Remove any efflorescence by washing and brushing. Old paintings should be completely removed. Any levelling or remakes must be carried out with mortars that are compatible with potassium silicate (pre - mixed plasters, lime, concrete). If mould is present, carry out an appropriate healing treatment.				
Preparation of product	Mix the product before use and dilute with its primer diluted 1/1 <table> <tr> <td>Silicate paint</td><td>100</td></tr> <tr> <td>Silicate primer diluted with water 1/1</td><td>25 - 30 %</td></tr> </table>	Silicate paint	100	Silicate primer diluted with water 1/1	25 - 30 %
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Environmental conditions	Ambient temperature: from + 15 to 30° C Temperature of the substrate: > 10° C Humidity: 0 - 75 % In order to prevent the formation of condensation, it is necessary that the temperature of the substrate is at least 3° C above the dew point. Avoid application with excessive condensation or under direct sunlight.				

Drying and hardening

	20° C	30° C
Dry to touch	45 min	20 min
Dry in depth	6	4 hours

Overpainting

Minimum (hours)	20° C	30° C
	6	4 hours
Maximum	unlimited in the absence of contaminants	

Application

Brush, roller
For brush applications, use nylon or pure bristle brushes.
For roller applications, use medium - haired rollers.
For application, use the method of crossing coats.

shelf life

1 year in a cool and dry place (min 5° C max 35° C)

Packs

Comp. A Lt. 14 Lt. 5 Lt. 2,5

Warnings

Do not apply on unseasoned or damp surfaces.
Do not apply on non - absorbent or already painted surfaces.
Do not apply on sunny or windy surface
Do not apply in case of rain.