



LIME BASED PAINT - PITTURA A CALCE SV



Description

PITTURA A CALCE SV is a water-based mineral paint, white or coloured, for internal and external use, indicated for refined decorations of historical and new buildings. The product passed the tests to obtain the A+ class regarding the French regulation EN ISO 16000-9, 10, 11 and NF ISO 16000 – 3, 6 also known as TCOV (total COV).

The regulation is aimed at improving air quality of indoor environments with challenging tests on contaminants emissions. The result is exceptional also because it was obtained with levels far below what the A+ class norm prescribes (the highest). The product has an extremely low content of volatile organic compounds (VOC) and passed the ECOLABEL n° 5 test. The product meets all requirements of the ministerial decree of 11th October 2017 CAM (Italie) “Minimum environmental requirements for the entrustment of project services and works for new construction, re-construction and maintenance of public buildings”.

Characteristics

Thanks to its special formula containing ecological and prime-quality raw materials, the product is very easy to apply, has an excellent covering power and an extreme whiteness. Being composed of slaked lime, the paint gives a high breathability to the support, a natural bactericidal and sanitising action. Perfectly stable throughout time this product must be applied preferably to plasters pre-treated with lime. Resistant to UV rays. The exclusive use of Natural earth pigments guarantees unique colours and a high resistance to light.

Composition

PITTURA A CALCE SV is composed of slaked lime seasoned for 6 months and filtered, water, calcium carbonate, cellulose, latex, white titanium oxide, natural preservatives.

Support surfaces

PITTURA A CALCE SV should be applied to dry, non flakey surfaces exempt from salts and humidity. See table below.

Preparation of surfaces

On new surfaces there is no need for any preparatory treatments. On already painted or degraded ones, eliminate existing paint showing problems of adhesion to the surface, fill any cracks with filler and apply a coat of ecological fixer **Isoquarz (IS/0255)**, **Casein Solution (PL/1182)** or **Natural Soy (IS/0260)** to make the surface uniform. After applying the fixer, wait 24 hours before applying the first coat of PITTURA A CALCE SV.

Application

Do not apply on a warm surface, under the direct action of sun or on a windy day. It is a natural product, it is therefore possible to have slightly different tonalities among different batches, it is therefore suggested to use a single production batch for the last coat. Dilute the product with 20-30 % water according to the conditions of the application, the nature of the surface and the tools used. Stir well before use. The product dries on the surface after 4-6 hours and in depth after 24 hours, the full carbonation is completed after circa 28 days like all lime-based products. Do not apply below a temperature of +5°C or above +35°C or with humidity >70%. Wash tools with water after use. The outdoor surfaces must be protected from the water after application (circa 72 hours).

Colours

It is possible to obtain an infinite number of tonalities by mixing the paint with our earths, lacquers, oxides and pigments for artists.

Warning

It is possible to reduce the water absorption of PITTURA A CALCE SV by applying on the surface the water-repellent protection **Nippolin idro-rep (IR/0330)**. The application with a brush of a non diluted coat reduces water absorption, thus preserving the permeability to vapour of the support surface. Before the application of **Nippolin idro-rep** you should check if there are colour variations. Protect doors, windows, frames and any surfaces that should not be painted. Any stains or splashes should be immediately removed with water.

Consumption

PITTURA A CALCE SV covers 6 - 8 m²/kg depending on absorption and the type of surface.

How to apply the paint

PITTURA A CALCE SV can be applied by brush or roller or it can be sprayed.

Containers and storage

Specific weight : Kg 1,200/lit.
Plastic buckets of 5 and 20 Kg. PITTURA A CALCE SV must be stored in the original containers which must be well-closed. It is stable for at least 12 months providing temperatures are not below +5°C or not above +30°C.

Health and safety regulations

Ventilate during application. Avoid contact with the skin and eyes. In case of contact wash thoroughly with plenty of water. Keep out of the reach of children. Please check the safety sheet for data regarding toxins.

Disposal

Dispose of the product according to local regulations. Empty containers must be recycled.

28/01/1

The advice and indications given above are based on our experience and are of an informative nature and do not bind us to any responsibility. The applications of the products take place without our direct control, the user therefore takes all responsibility for any consequence of use. Our technical assistance team is available for any further information that might be necessary.



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New wall surfaces

Application surfaces	Preliminary treatment
Lime plaster	No treatment
Smoothed lime plaster	No treatment
Medium density (internal)	One coat of Isoquarz
Plasterboard (internal)	One coat of Isoquarz , Casein Solution or Natural Soy
Plaster (internal)	One coat of Isoquarz , Casein Solution or Natural Soy

Aged wall surfaces

Application surfaces	Preliminary treatment
Lime plaster	Brush and one coat of : Isoquarz , Soluzione alla Caseina or Natural Soy
Tempera	Brush and one coat of : Isoquarz , Soluzione alla Caseina or Natural Soy
Lime painting	Brush and one coat of : Isoquarz , Soluzione alla Caseina or Natural Soy
Non treated polished lime treatment	Sanding and one coat of Isoquarz
Wax- or soap- treated polished lime finishing	Sanding and one coat of Isoquarz
Acrylic painting (internal)	One coat of Isoquarz
Multiple colours and non homogeneous absorption	One coat of Isoquarz

Classification and technical characteristics

PITTURA A CALCE SV has been tested at the GFC Chemical laboratory ; The results of the tests shown below are documented in the test reports 422/L of 12.12.2011

Description	Result
Volatile Organic Compounds VOC	0,64 gr/ltr
n° 3 and n° 4 Ecolabel criteria	It meets the criteria
n° 5 and n° 6 Ecolabel criteria	It meets the criteria However, being a lime-based product, it is classified as corrosive
Liquid water permeability	W6 = 1.631 kg/ (m ² h0.5) Class W1 (high permeability)
Dry film thickness	Thickness > 100 ; < 200µm (consumption =0.308 l/m ² class E3)
Granulometry	Fine Class S1
Glossiness	Matt (reflectance <10, geometry 85o) Class G3

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