

TECHNICAL DATA SHEET PITTURA ALLA CALCE VERONA

Technical Qualities

PITTURA CALCE VERONA by OIKOS is a mineral, water based paint for interior and exterior, formulated with mature lime putty, that gives a smooth and matt finish. It is ideal for the restoration of prestigious buildings of historical importance where the ancient style and materials of the Italian tradition have to be maintained or proposed. The product creates a stable link with the surface, maintaining the level of vapour permeability of the support facilitating the evaporation of internal humidity. Its level of alkalinity prevents the development of mould and bacteria. PITTURA CALCE VERONA by OIKOS confers to the wall a warm appearance with tones of colour typical of the ancient decorations made with lime products. PITTURA CALCE VERONA by OIKOS has a low odour level, is non inflammable and is friendly to both humans and the environment.

Ideal Use

Exterior and interior walls of historical or prestigious buildings.

Surface Preparation

The surface must be dry and mature, new plasters should be left to mature for at least 30 days to allow complete carbonation of the support. Carefully brush or strip the surfaces and remove loose and flaking material. In case of restoration work, water infiltrations and leakages must be repaired. For the best results, it is recommended to apply the product directly on lime plasters or on existing coatings of lime paint once they have been carefully washed and brushed clean. Only if really necessary, CONSOLIDANTE CALCE correctly diluted, can be used to consolidate very absorbent or powdering surfaces. On interior surfaces it is possible to apply the product on to already painted surfaces only after having carefully evaluated the adhesion of the product. Paints with low absorption levels should be sanded down to increase porosity and facilitate the adhesion of the product however if this is not sufficient, screed the surface with RASATURA ALLA CALCE.

Application Method

Apply by brush: first coat diluted 20÷25% with drinkable water; second coat, after approximately 4 hours, diluted 25÷30% with drinkable water;

Protect the surface from rain during the first 24–48 hours after application.

Finishes

To obtain a wash finish, the application of VELATURA ALLA CALCE by OIKOS is recommended.

Technical Characteristics: Application

Dilution: 20 ÷ 30% with drinkable water

Yield: 5 ÷ 8 m²/l in two coats according to the absorption of the support

Application tools: Brush

Primers: CONSOLIDANTE CALCE by OIKOS

Application temperature: +5°C ÷ +36°C (with relative humidity not exceeding 80%)

Drying time until touch dry: 1,30 h (temperature = 20°C with relative humidity at 75%)

Total drying time: 24 h (temperature = 20°C with relative humidity at 75%)

Tools cleaning: Water

Warning: Protect the surface from rain during the first 24–48 hours after application.

Technical Characteristics: Product

Composition: Lime putty, selected marble granules, fillers, titanium dioxide, inorganic pigments based on iron oxide and coloured earth.

Specific weight: 1,5 kg/l +/- 3% (White)

Grain size: Max 0,3 mm

pH: 12,5 ÷ 13,5

Storage temperature: +2°C ÷ +36°C. Keep from freezing

Reaction to fire: Negative if applied on a non inflammmable base; water based material with dry thickness of less than 0,600 mm

Permeability to water vapour Sd: 0,043 m (max limit allowed 2 m, DIN 52 615)

Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE: Classification: A/a; VOC: 26 g/l (max); Phase I Limit (from 1.1.2007): 75 g/l Phase II Limit (from 1.1.2010): 30 g/l

Colours: White + shades of the colour chart

Packaging: Kg 1 – 4 – 14

Warning: Lime is a natural material with specific characteristics, the aesthetic effect and the duration of the product in exteriors is heavily influenced by environmental conditions and by the characteristics of the support.

Toxicological Data

The product is free of heavy metals such as lead or chrome. It does not contain toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. . Read carefully the safety data sheet: the product is labelled Xi, R41 irritant. For storage and handling, there are no special arrangements required, the containers, residual product and eventual spills or leakages should be gathered using inert, absorbent materials such as sand and earth etc and then disposed of in accordance with the regional and national regulations in force at that time. Transportation must be carried out in accordance with international agreements.

Specifications

The surface must be dry and mature, new plasters should be left to mature for at least 30 days to allow complete carbonation of the support. Carefully brush or strip the surfaces and remove loose and flaking material. In case of restoration work, water infiltrations and leakages must be repaired. For the best results, it is recommended to apply the product directly on lime plasters or on existing coatings of lime paint once they have been carefully washed and brushed clean. Only if really necessary, CONSOLIDANTE CALCE correctly diluted, can be used to consolidate very absorbent or powdering surfaces. On interior surfaces it is possible to apply the product on to already painted surfaces only after having carefully evaluated the adhesion of the product. Paints with low absorption levels should be sanded down to increase porosity and facilitate the adhesion of the product however if this is not sufficient, screed the surface with RASATURA ALLA CALCE.

Apply by brush PITTURA ALLA CALCE VERONA by OIKOS: first coat diluted 20–25% with water; second coat after approximately 4 hours, diluted 25–30% with water.

All must be carried out in accordance with the norms of application, at a cost of m² inclusive of materials and labour. Scaffolding not included.

The company Oikos S.r.l guarantees, to the best of its own technical and scientific knowledge, that the information contained in this technical data sheet is correct.

Notwithstanding that indicated above, Oikos takes no responsibility for the results obtained through the use of this product in as much as it is not possible for Oikos to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put.