

TECHNICAL DATA SHEET

PITTURA ALLA CALCE

Technical Qualities

PITTURA ALLA CALCE by OIKOS is a mineral, water based paint for 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. Thanks to its high level of alkalinity, PITTURA ALLA CALCE has a bacteriostatic action which inhibits the growth of mould and bacteria. It confers to the wall a warm appearance with tones of colour typical of the ancient decorations made with lime products. PITTURA ALLA CALCE has a low odour level, is non inflammable and is friendly to both humans and the environment.

Ideal Use

Exterior 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 PER CALCE correctly diluted, can be used to consolidate very absorbent or powdering surfaces. The surfaces shall be even, if necessary screed the walls 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 at least the first 24-48 hours after application.

Finishes and protective coatings

To make the surface more water-repellant it is possible to apply the protective coating SUPERFINISH24 after at least 24-48 hours from the end of application (in perfect environmental conditions).

Due to the specific nature of lime and its sensitivity, for shades from medium to intense, the shade tonality could be emphasized without anyway altering the typical opacity of lime-based products.

The application of excessive quantities can change the opacity.

Technical characteristics: application

Dilution:	20 ÷ 30% with drinkable water
Yield:	5 ÷ 8 m ² /l in two coats, according to the absorption of the surface
Application tools:	brush
Primers:	CONSOLIDANTE PER 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%)



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Total drying time:	24 h (temperature = 20°C with relative humidity at 75%)
Tools cleaning:	water
Warning:	Protect the surface from rain during at least the first 24-48 hours after application.

Technical characteristics: product

Composition:	Lime putty, fillers, titanium dioxide, inorganic pigments based on iron oxide and colored earth
Specific weight:	1,5 kg/l +/- 3%
PH:	12,5-13,5
Storage temperature:	+2°C ÷ +36°C. Keep from freezing
Reaction to fire:	Negative if applied on a non inflammable base; water based material with dry thickness of less than 0,600 mm
Permeability to water vapour Sd:	0,043 m (max admitted limit 2 m, DIN 52 615)
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:	Classification A/c; VOC: 26 g/l (max); Phase II Limit (from 1.1.2010): 40 g/l
Colours:	white + shades from the colour chart
Packaging:	litres 1 – 4 – 14
Warning:	Lime is a natural material with specific characteristics, the aesthetic effect and the duration of the product in exteriors are heavily influenced by environmental conditions and by the characteristics of the support.

Safety information

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. The product is classified as hazardous pursuant to the provisions set forth in the Regulations (CE) 1272/2008 (CLP) and subsequent amendments and supplements. For further information see the product Safety Data Sheet. No special arrangements are required for the storage, movement and transportation of the product; the containers, residue, eventual spilt material should be cleaned up using absorbent inert material such as sand, soil etc. 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, a specific primer such as CONSOLIDANTE PER CALCE by OIKOS correctly diluted, can be used to consolidate very absorbent or powdering surfaces.

The surfaces shall be even, if necessary screed the walls with RASATURA ALLA CALCE.

Apply by brush PITTURA ALLA CALCE 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.



Note

The company Oikos Spa guarantees that the information contained in this technical data sheet is given to the best of its own technical and scientific knowledge. 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.

