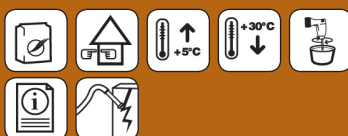




PALLADIO® CONSOLIDA AC

Natural consolidating agent based on saturated aqueous calcium hydroxide solution



Product description

PALLADIO CONSOLIDA AC is a natural, transpiring consolidating agent, free from synthetic additives and solvents, suitable for the partial consolidation of stone supports of carbonate origin or of mortars of aerial or weakly hydraulic nature.

PALLADIO CONSOLIDA AC is obtained by the manual withdrawal of calcium oxide (quicklime) from the surface water present in the quenching tanks after a stagnation period of more than one month. This water saturated with calcium hydroxide, suitably processed, guarantees an important consolidating power, able to penetrate deeply into the porosity of plasters and mortars based on aerial, weakly hydraulic or natural hydraulic lime.

After suitable curing, the calcium hydroxide crystals will be transformed into calcium carbonate capable of consolidating the silicon-carbonate matrix of the substrate to be consolidated.

PALLADIO CONSOLIDA AC is a high penetration product that does not change the appearance of the treated surfaces and does not form any obstacle to the passage of steam.

Fields of application

PALLADIO CONSOLIDA AC is an ideal product for consolidating / regenerating plasters or mortars based on airborne or weakly hydraulic binders or carbonate-based stone materials. PALLADIO CONSOLIDA AC is indicated as a component for the dilution of the products PALLADIO CONSOLIDANTE and PALLADIO LIME PAINT.

CONSOLIDA AC

Product preparation

PALLADIO CONSOLIDA AC is ready to use without the need for any additions.

How to use

PALLADIO CONSOLIDA AC must be applied on clean, dry and absorbent substrates, free from dust, encrustations, organic material and finishing or protective treatments.

When applying the product PALLADIO CONSOLIDA AC particular attention must be paid to avoid leaving stagnant product on the treated surfaces, in order to avoid the formation of whitish calcium carbonate crystals on the surface (surface whitening).

The application of the product PALLADIO CONSOLIDA AC must be carried out on the portions to be consolidated by spraying, nebulization at low pressure, brush with natural bristles or by immersion, until complete saturation of the support. The consolidating effect will be developed after 20 / 30 days from the treatment.

PALLADIO CONSOLIDA AC must be applied until complete impregnation of the support. The yield of the product is therefore difficult to define and therefore variable in relation to the type, condition and absorption of the material to be consolidated.

Specification item

Spray or brush application of a product such as PALLADIO CONSOLIDA AC by Fornaci Calce Grigolin, natural transpiring consolidating agent free from synthetic additives and solvents suitable for the partial reintegration of stone supports of carbonatic origin or of mortars and plasters of aerial or weakly hydraulic nature, obtained from water emerging from the calcium oxide quenching tanks (quicklime) after a stagnation period of more than one month, characterised by a high penetration capacity, capable of regrouping and reconsolidating without by-products of chemical origin, without altering the appearance and surface colour and without forming a film hindering the migration of water vapour, having the following characteristics

- appearance: clear;
- colour: transparent;
- pH > 11;
- Ca++ content approx. 0.90 g/l;
- Ca(OH)₂ content approx. 1.5 g/l;
- electrical conductivity > 10mS;
- specific gravity 1 g/cm³;
- fire reaction class A1.

CONSOLIDA AC

TECHNICAL DATA	PERFORMANCE
Appearance	clear
Colouring	transparent
pH	> 11
Ca++ content	approx. 0.90 g/l
Ca(OH) ₂ content	approx. 1.5 g/l
Electrical conductivity	> 10 mS
Specific weight	1 g/cm ³
Reaction to fire	class A1

v. 05/2021

I dati riportati si riferiscono alle prove di Controllo Qualità in condizioni ambientali normalizzate. Applicazioni pratiche di cantiere a seconda delle condizioni di esercizio possono rilevare dati sensibilmente modificati, pertanto le informazioni presenti nella Scheda hanno valore puramente indicativo in quanto l'utilizzatore deve sempre verificarne l'idoneità nell'impiego del prodotto assumendosi la responsabilità derivante dall'uso. Fornaci Calce Grigolin S.p.A. si riserva di apportare modifiche tecniche di qualsiasi genere senza alcun preavviso.