



PALLADIO® BIK 21

Traditional water-repellent bio-plaster based on NHL 5 certified natural hydraulic lime..



Product description

PALLADIO BIK 21 is a premixed dry plaster based on selected aggregates, binders based on NHL 5 natural hydraulic lime and air lime with high purity and low content of soluble salts and specific additives with high biodegradability.

Supply and storage

PALLADIO BIK 21 is supplied in bulk with a 22 m³ silo system and in bags on pallets with extensible.

Store in a cool, dry and non-ventilated place. Keep packaging intact.

Fields of application

PALLADIO BIK 21 can be used for indoor and outdoor plastering on dry substrates such as bricks, rough concrete, blocks and plaster net. Smooth concrete structures must be previously reinforced with RG 12.

PALLADIO BIK 21 must not be applied on painted or inconsistent and friable substrates.

BIK 21

Media preparation

Before applying the product PALLADIO BIK 21, it is advisable to check the wall support, taking care to remove any dust or loose parts, and salt efflorescence. It is also advisable to wet the surface adequately before applying the product.

Methods of application

Surfaces with irregularities exceeding 2 cm must be prepared at least 48 hours before with a filling of the same PALLADIO BIK 21, avoiding the use of too much water in the mixing phase which would lead to a decrease in mechanical resistance. For the application proceed as follows: after having positioned the corner protectors, preferably with the same PALLADIO BIK 21, and adjusted the mixing water until obtaining a consistent mortar with a plastic appearance, you can pass to the application operating at a distance of about 15-20 cm in order to obtain a thickness of about 1-2 cm per coat. After a few minutes, proceed with levelling with an aluminium straight edge. When the product has hardened (about 8 hours), tighten with a wooden or plastic trowel.

The product thus applied lends itself to subsequent finishing with fine mortar, for indoor applications, which must be carried out within 24-48 hours depending on the external thermo-hygrometric conditions.

If the application is to be carried out outdoors, it is advisable to apply the PALLADIO AB 09 finish, also based on NHL 5 natural hydraulic lime.

Alternatively, for coloured finishes, products from the highly breathable arteMURI range can be used, such as those based on lime, 5th CALCE 0.7÷1.2 mm, silicate SIL4 INTO 1.2÷3 mm or siloxane XIL2 INTO 0.7÷3 mm.

Safety instructions

Consult the safety data sheet before use.

The product may cause eye damage, skin irritation or allergic reactions.

During use, it is recommended to wear protective gloves and goggles and to follow the safety instructions for the workplace.

Specifications

The substrates to be plastered must be clean, stable, possibly moistened and have a homogeneous surface. Any loose parts must be removed or consolidated. The surfaces prepared in this way can be plastered using a screw-pump plastering machine with PALLADIO BIK 21 water-repellent plaster by Fornaci Calce Grigolin, pre-mixed dry plaster based on selected aggregate, binders based on NHL 5 natural hydraulic lime, air lime and specific additives to improve workability and adhesion, at a rate of 14 kg/m² per 1 cm thickness applied. The use of selected inert materials and hydraulic and hydrated lime in the preparation of this plaster gives the final product a high level of water vapour permeability ($\mu = 6$). The minimum thickness of application will be 1.5 cm.

Warnings

Do not mix PALLADIO BIK 21 with other substances. Avoid strong temperature changes during the setting phase. The product must be protected against frost and rapid drying. It is recommended not to use PALLADIO BIK 21 at temperatures below +5°C and above +30°C..

BIK 21

TECHNICAL DATA	PERFORMANCE
Technical Data	GP-CSII-W1
Specific weight	1450 kg/m3 free fall deter.
Maximum diameter	2 mm
Workability time on brick	20 min.
Mixing water	22% approx.
Mechanical flexural strength at 28 days	0.8 N/mm2
Comp. mechanical res. at 28 days (cat. CS II)	2.0 N/mm2
Plastic collection	Ass. in standard thermo-hygric conditions
Theoretical consumption	14 kg/m2 for 1 cm thickness
Water vapour permeability μ	6
Reaction to fire	class A1
Minimum thickness of application	1.5 cm
Adhesion on brick	0.2 N/mm2
Type of fracture	B
Water absorption	W1
Thermal conductivity λ	0.36 W/mK (tabulated value)

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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.