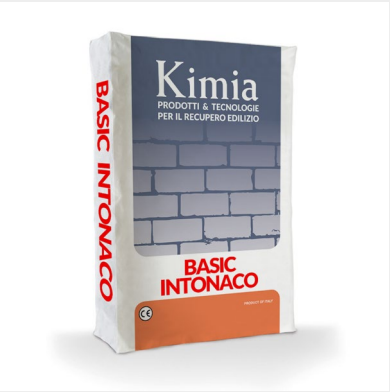
Basic INTONACO

ST4-0221



Plaster made out of cement and hydrated lime

EN 998-1 CE

DESCRIPTION

Basic INTONACO is a plastering mortar made out of cement and hydrated lime, hydraulic binders and additives that make it suitable for both indoor and outdoor use.
It is CE marked according to the requirements of UNI EN 998-1 as GP mortar.

USES

Basic INTONACO is used for the realization of both internal and external plasters on brick sustrates, concrete blocks, concrete structures or mixed masonry.

APPLICATION

	Manual application		Workability time: 120 mins
	Mechanical device application		Mixing water: 4,75-5,75 lt/ 25Kg variable according to the desired workability
	Max thickness per coat: 20 mm for vertical application (tot 40 mm in two coats)		

Basic INTONACO has to be mixed with drinking water in the quantities shown in the table. It is advisable to introduce 3/4 of the required water into the mixer, adding the product and the remaining water continuously, until the desired consistency is achieved. Mix carefully until you get a perfect amalgam. The product must not be added during preparation and laying with no other binder. Apply with normal manual or mechanical equipment. Do not mix the product by adding water once it has started setting.
In the case of mixing with plastering machine (standard models), load the hopper with **Basic INTONACO** and adjust the flowmeter at a flow rate of 5-6 l / min, depending on the machine used, until the desired consistency is achieved.
Apply **Basic INTONACO** from a distance of about 20 cm, from the bottom of the wall to the top, evenly. For plaster thicknesses greater than 20 mm, the application must be made in several coats, applying successive layers on the previous non-wrinkled layer (maximum thickness achievable 40 mm).
Basic INTONACO must be applied on clean, dust-free surfaces, inconsistent parts, paints, grease and any other material that could affect its good anchoring.

CONSUMPTION

14 Kg/mq

PACKAGING

Bag 25 Kg.

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STOCCAGGIO

The product fears moisture. Store in a sheltered and dry place; in these conditions and in intact containers, the product maintains its stability for 12 months.

Characteristics	Value
Appearance	Powder
Color	Light grey shades
Application temperature	+5 - +35 °C
Granulometry	< 1,2 mm
Bulk of hardened product	1500 Kg/m^3
Compressive strength UNI EN 1015-11	in 28 dd ≥ 2,5 MPa
Flexural strength UNI EN 1015-11	in 28 dd > 1 MPa
Thermal conductivity	0,47 W/mK (Table)

Characteristics (mixing water 21%)	Limit value for GP mortars according to UNI EN 998-1	Value
Dry bulk UNI EN 1015-10	Declared value	1462 Kg/m^3
Compressive strength in 28dd UNI EN 1015-11	CS I (0,4 – 2,5 Mpa) CS II (1,5 – 5 Mpa) CS III (3,5 – 7,5 Mpa) CS IV (≥ 6 Mpa)	CS II
Adhesion UNI EN 1015-12	Declared value	≥ 0,3 N/mm^2 - FP: B
Capillar water absorption UNI EN 1015-18	Declared value	W0
Water vapour permeability coefficent UNI EN 1015-19	Declared value	M < 5/20
Average thermal conductivity $\lambda_{10, dry, mat}$ values UNI EN 1745	Valore valore medio da prospetto (P = 50%)	0,47 W/m*K
Reaction to fire class UNI EN 13501 - 1	Declared value	A1
Durability	Declared value	NPD
Hazardous substances	Declared value	See SDS

WARNING

Product for professional use.
Before using, check bags have not been damaged, and do not use the product if there are any lumps.
Use the entire contents once the bag has been opened.
Do not apply the mortar to flaking, loose surfaces: in this case consult our Technical Dpt.

Do not apply at temperatures under +2 °C or above +35 °C, to surfaces in direct sunlight, when it is about to rain, or on windy or misty days.
Saturate the support before the mortar application so as to avoid that the wall absorbs an excessive amount of mixing water of the mortar, which could cause its "burning", associated to possible delaminations and cracks.
If it is necessary to lay thick layers of plaster, it is recommended that this be done in successive coats of maximum 3 cm, each one applied after the previous layer has dried, so as to avoid applying excessively thick layers of fresh plaster that might slip during setting, or differences in drying time between the surface and the internal mass that might result in the formation of micro-cracks and a decreased adhesion of the macroporous plaster to the substrate.

If the product is used to make reinforced plasters with non-traditional meshes (polymeric) in order to avoid that during the mortar application the mesh be pushed at direct contact against the support, not resulting incorporated in the jet and by acting as separation layer, is essential to create a rough coat with the structural mortar, apply and fix the network and then continue with the plaster execution according to the directions indicated on the maximum thicknesses achievable per this coat, as shown before.

If a later levelling is to be carried out, this has to be done when the plaster is completely cured (wait for at least 1 week for any centimeter of thickness, and for a minimum of 3 weeks), so as to seal any shrinkage cracks that may have formed, particularly in the case of thick layers of plaster.
In case of discontinuity points, non-homogeneous or weak substrates and high thicknesses, insert **Kimitech 350** net in the chosen finish.

The Obligations of marking are not related to the intrinsic nature of a given product, but to the use to which a specific material is used: before making the order in Kimia, the buyer shall submit all the documentation available to the construction supervision in order to determine the materials suitability (in terms of certifications and performance) in relation to the use for which they are intended.

For further information and advice on safe handling, storage and disposal of chemical products, the user must refer to the most recent Safety Data Sheet, containing physical, ecological, toxicological and other data related to safety.
All technical data shown in this Technical Data Sheet are based on laboratory tests. Actual measurement data may vary due to circumstances beyond our control.

The information and requirements indicated in this Technical Data Sheet are based on our current knowledge and experience and are to be considered, in any case, purely indicative. They cannot guarantee the final result of the applied product and they have to be confirmed by exhaustive practical applications; therefore the user must test the suitability of the product for the intended application and its purpose. Users must always refer to the latest version of the local technical data sheet related to the product.

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