



iBIO

PLATRA *interior plaster*

PRODUCT DESCRIPTION

iBIO PLATRA is a traditional, dry premixed mineral mortar based on natural hydraulic lime as the binder and appropriate well-graded aggregates.

iBIO PLATRA is characterised by a slow but strong bonding, a high plasticity, a low content of soluble salts and an excellent water vapour permeability.

The natural hydraulic lime mortar is inherently stable and designed to reduce problems of micro cracks along with premature drying out.

The natural hydraulic lime binder, used to prepare the preblend, conforms to the European Standard EN 459-1, NHL 5 for building limes.

The mortar iBIO PLATRA conforms to the European Standard UNI EN 998-1.

APPLICATION AREA

iBIO PLATRA is a mortar that is especially suited to regulate uneven internal walls with different types of materials and various absorption levels.

The mortar is applied in 2 or 3 layers, on a dry substrate where the existing plaster/paint has been fully removed.

iBIO PLATRA is resistant to scratches and can be painted with mineral paints (lime wash or silicate paint).

APPLICATION

Prior to application, the substrate must be cleaned and freed of all traces of oil and grease. Cracks must be repaired prior to application.

In most of the cases the mortar will not need any bonding layer, but when uncertain about the adhesion, it is recommended to foresee a bonding layer composed of natural hydraulic lime.

The mortar is mixed with clean water at a ratio of 6 litres of water to a bag of 20 kg ready mixed natural hydraulic lime powder. Mixing is undertaken with a slow speed electric paddle for a period of 3 minutes.

The mortar is applied either manually or by mechanical means at the required thickness, and can be finished with a trowel, sponge, tissue and/or other tool to obtain the desired appearance.

When an additional reinforcement mesh is to be used, it will be placed in the middle of layer thickness.

The mortar must not be applied at temperatures below +5°C nor when a risk of frost exists. It should never be applied on to a frozen surface or in the case of thick fog. In hot, windy and dry conditions measures should be taken to prevent accelerated drying out of the freshly applied mortar. Applied mortar must be protected from frost and direct sunlight for 48 to 72 hours after its application.

REMARKS

In case of doubt regarding the substrate (e.g. treatment with an impregnating product such as silicones or comparable), consult our technical service department.

The maximum storage time is 6 months, if stored in the original, hermetically closed packing in a suitable environment. The material must be stored dry and frost free above ground. Protect the material from heat sources.

TECHNICAL DATA

Granular sizing (EN 1015-1)	max. 0.8 mm
Bulk density (EN 1015-10)	ca. 1400 kg/m ³
Compressive strength (EN 1015-11)	class CS II (1.5 N/mm ² ≤ f _c ≤ 5 N/mm ²)
Adhesive strength (EN 1015-12)	> 0.2 N/mm ²
Vapour diffusion resistance (μ)	10
pH	> 10.5
Coefficient of thermal conductivity (λ)	0,54 W/mK
Fire resistance classification (EN 13501)	A1
Proportion water/preblend	0.3 l/kg
Mixing time	3 minutes
Consumption	~14 kg/m ² /cm
Layer thickness	between 3 and 30 mm
Colour	beige
Packing	powder in bags of 20 kg
Pallet content	60 x 20 kg = 1200 kg

This sheet cancel and replace all previous sheets.

Our advice and information are given in good faith and depending on the latest developments of our products. We guarantee the consistent quality of our products, but do not accept any liability concerning their application. In any case, we do recommend to consider the type of substrate and the climatic conditions before applying our products or to apply a test surface in order to analyse the suitability of the product for the given substrate.