



iBIO

FINISH *finish coat*

TECHNICAL DATA

Granular sizing	max. 0.8 mm
Bulk density	ca. 1550 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)	≥ 0.3 N/mm ²
Vapour diffusion resistance (μ)	12
pH	
fresh mortar paste	> 10.5
hardened mortar	~ 7
Fire resistance classification (EN 13501)	A1
Proportion water/preblend	0.25 l/kg
Mixing time	3 to 4 minutes
Consumption	5 kg/m ²
Maximum coat thickness (the two layers included)	3 - 4 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.*

PRODUCT DESCRIPTION

iBIO FINISH is a traditional, dry premixed mineral finish coat mortar based on natural hydraulic lime as the binder and appropriate well-graded aggregates. iBIO FINISH 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 FINISH conforms to the European Standard UNI EN 998-1.

APPLICATION AREA

iBIO FINISH is the finish layer that is applied on the base layer iBIO BODY, suitable in new construction, renovation or restauration. It can be used both in exterior as in interior applications.

iBIO FINISH can be applied in several ways : troweled, sponged or polished (tadelakt). Cutting off shapes is also possible.

If the product is to be overpainted, this has to be done with a mineral paint which is permeable to vapour (limewash or silicate paint).

APPLICATION

The mortar is mixed with clean water at a ratio of 5 to 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 to 4 minutes. A creamy workable mortar is obtained, which has approximately 2 hours of open time.

The mortar is applied with a trowel at the required thickness, preferably in two layers of 1,5 - 2 mm each. The lapse in between two layers is at least some hours to one night. Applying a lime wash or silicate paint is possible after one week.

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 mortars. Applied mortars must be protected from frost and direct sunlight for 48 to 72 hours after their 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.