1 iBIO **SPAT**
bonding coat

iBIO **SPAT** will enhance the adhesion properties of an irregular surface to enable the bonding of the base coat of the plaster system.

Preparation of the substrate
The substrate must be clean and free of grease and dust. Eventual reparations in the substrate have to be done with a natural hydraulic lime mortar.

Preparation of the mortar
The content of one bag premixed powder is mixed with approx. 7 litres of clean water.
Mixing is undertaken with a slow speed electric paddle for a period of 3 to 5 minutes. A creamy workable mortar is obtained, which has approx. 2 hours of open time.

Application
iBIO **SPAT** is applied manually or mechanically in an open structure, covering not more than 70% of the surface area.
Drying time prior to the base coat: min. 1 to 2 days.

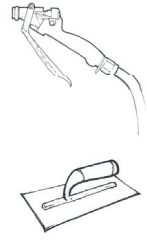
2 iBIO **BODY**
base coat

iBIO **BODY** is the base coat of the plaster system. This coat is applied to obtain a flat surface in preparation for the finish coat.
The average layer thickness is approx. 10 mm.
(greater thicknesses are possible in multiple layers with 1 - 2 days beween coats)

Preparation of the substrate
The bonding coat (iBIO **SPAT**) has to be dry (there is no need and it is not recommended to spray the substrate prior to the application of iBIO **BODY**).

Preparation of the mortar
The content of one bag premixed powder is mixed with 5 to 6 litres of clean water.
Mixing is undertaken with a slow speed electric paddle for a period of 3 to 5 minutes. A creamy workable mortar is obtained, which has approx. 2 hours of open time.

Application
iBIO **BODY** is applied mechanically or manually with a trowel to the desired thickness and ruled flat. The surface does not need to be scratched between coats and doesn't have to be 100% smooth, as it has still to be covered with the finish coat.
Drying time prior to the finish coat: min. 1 to 2 days.



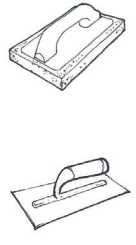
3 iBIO FINISH
finish coat

iBIO **FINISH** is the finish coat which will give the final appearance to the plaster system. This can be applied in several ways: flattened, sponged, polished and painted with a lime wash or silicate paint.
The thickness is approx. 3 mm.

Preparation of the substrate
The base coat (iBIO **BODY**) has to be dry (there is no need and it is not recommended to spray the substrate prior to the application of iBIO **FINISH**).

Preparation of the mortar
The content of one bag premixed powder is mixed with 5 to 6 litres of clean water.
Mixing is undertaken with a slow speed electric paddle for a period of 3 to 5 minutes. A creamy workable mortar is obtained, which has approx. 2 hours of open time.

Application
iBIO **FINISH** is applied manually with a trowel in two layers of approx. 1,5 mm each. The first layer has to be dry enough prior to apply the second layer (leave at least 4 hours or overnight between the two layers).
Drying time prior to an eventual mineral paint (lime wash or silicate paint): 1 week.



iBIO, or how can a natural product also be intelligent !

Construction lime (or natural hydraulic lime) is presented today as an alternative to cement-based products, plaster, etc. However, lime has always been present in most of our buildings, so it would be more than logical that it would start to regain its place.
Lime does indeed have indisputable properties in terms of comfort and health to a building and its inhabitants. It allows, among other things, to regulate the humidity level and will improve the thermal and acoustical insulation in a natural way. Aesthetically speaking, it also gives a certain character to your wall, which is generally always well received.
But at the moment it is mainly the ecological footprint that makes the difference ! Already a natural product at its base, it is burned at a much lower temperature than, for example, cement, and once applied to the wall, it will significantly reduce the amount of CO_2 in the air, since building lime requires it in its reaction.

Technical Properties

iBIO SPAT *

granular sizing: max. 4 mm
bulk density: ca. 1600 kg/m³
vapour diffusion resistance (μ): 10
fire resistance classification: A1 (non-flammable)
consumption: 2,5 - 3,5 kg/m²
pallet content: 50 x 20 kg = 1000 kg

iBIO BODY *

granular sizing: max. 1,4 mm
bulk density: ca. 1250 kg/m³
vapour diffusion resistance (μ): 11
fire resistance classification: A1 (non-flammable)
consumption: 12 - 16 kg/m²/cm
pallet content: 50 x 20 kg = 1000 kg

iBIO FINISH *

granular sizing: max. 0,8 mm
bulk density: ca. 1550 kg/m³
vapour diffusion resistance (μ): 12
fire resistance classification: A1 (non-flammable)
consumption: 5 kg/m²
pallet content: 60 x 20 kg = 1200 kg

iBIO BUILDING LIME

Tel: +32 78 150 006
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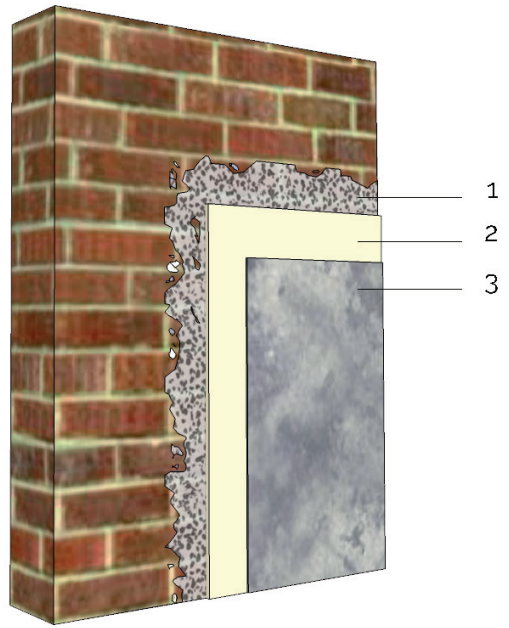
Website: www.ibiolime.com

iBIO

Multi-coat Plaster and Render system
with BUILDING LIME

Warm comfort and healthy environment !



1: iBIO SPAT (bonding coat)
2: iBIO BODY (base coat)
3: iBIO FINISH (finish coat)

application : interior and exterior

* products approved by LEED
(Leadership in Energy and Environmental Design)
and in accordance with the standards EN 459-1 (binder NHL)
and EN 998-1 (mortar)