

# BioRASOCAL

NATURAL WHITE HYDRAULIC LIME BASED SMOOTHING PRODUCT FOR FINISHING INTERIOR AND EXTERIOR PLASTERING

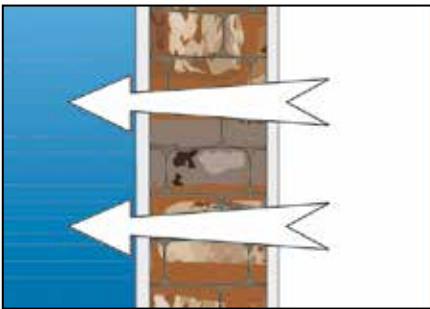
GRANTS *LEED* CREDITS



CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
ALLOWS TO BREATHE	ECO GREEN	RECYCLABLE	MIX MECHANICALLY	APPLY BY INOX SPATULA
				STORAGE: IN A DRY PLACE

## PROBLEM

### SMOOTHING PLATERED WALLS WITH BREATHABLE PRODUCTS



High breathability dehumidifying plasters need finishes which respect this important characteristic and allow easy and mineralogically compatible application.

## SOLUTION

**BioRASOCAL** is a premix in powder form based on high-strength white cement, selected high-grade ballast and additives to improve workability. **BioRASOCAL**, mixed to a paste with water, comes as a lime putty with excellent properties of plasticity, workability and adhesion. The maximum particle size of the aggregates is 0.3 mm to make a filler with low thickness.



## APPLICATION FIELDS

**BioRASOCAL** is particularly indicated as a smoothing product for breathable interior and exterior rendering to obtain smooth and very neat surfaces.

**BioRASOCAL** maintains its breathability properties so that the plaster base coat can fully perform its dehumidifying function.

## ADVANTAGES

- Enables smooth and neat finishes with a single product.
- High breathability.
- Mineralogical characteristics perfectly compatible with lime- or cement-based plasters.
- High workability and adhesion.

## METHOD OF USE

There are no special precautions to take in preparing plaster base coats. They must be generally free of dust and dirt, with trowelled and regular surfaces for easier application.

Wait for the base coat to dry before application (at least 48 hours).

### • PREPARING THE MIX

**BioRASOCAL** must be mixed with clean water only, by hand or with a drill with a helical paddle (1). Avoid mixing for longer than the time required for reaching the desired consistency.

### • APPLICATION

Spreading is carried out with a stainless spatula, trowelling the mix to a uniform thickness (2). One or more coats can be applied according to the degree of finish desired.

**BioRASOCAL** must be finished with breathable paints only (3).

### • COVERAGE

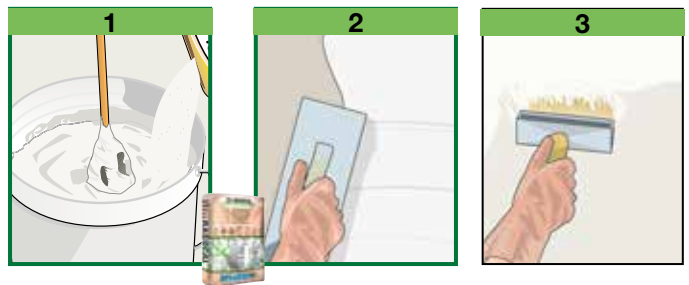
The average coverage is about 1.2 kg/m<sup>2</sup>×mm.

### • PRECAUTIONS

- Use cold water in the summer and water at 20°C in the winter.
- Application temperature from +5°C to +35°C.
- Do not add other materials such as bonding agents, aggregates or additives.
- In hot weather, keep the surface of the laid mortar wet, preventing the product from drying out quickly, for at least 8 hours.
- Wet the surfaces in high temperatures.
- Do not add water when the mix starts to set.

- Avoid sudden temperature changes while the plaster is setting.

- Store in original closed packaging in a dry place. Protect against frost and high temperatures.



## TECHNICAL CHARACTERISTICS

	Standard	<b>BioRASOCAL</b>
Appearance		Powder
Colour		Whitish
Particle size		0÷0.3 mm
Apparent density		1.55 ± 0.05 kg/ℓ
Mixing water		18% ± 1%
Storage in original packaging in a dry place		12 months
<b>Mix properties and workability</b>	<b>Standards</b>	
Density of the mix	<b>EN 1015-6</b>	1.85 ± 0.05 kg/ℓ
Application temperature		+5°C to +35°C
Minimum application thickness		1.0 mm
Maximum application thickness per layer		2.0 mm
Application		Manual
<b>Performance characteristics</b>	<b>Standards</b>	<b>Product performance</b>
<b>Class and type</b>	<b>EN 998-1</b>	<b>GP</b>
<b>Resistance to compression - after 28 days</b>	<b>EN 1015-11</b>	3.0 N/mm <sup>2</sup> - CS II
Resistance to bending - after 28 days	<b>EN 1015-11</b>	1.0 N/mm <sup>2</sup>
<b>Adhesion to substrate</b>	<b>EN 1015-12</b>	≥0.5 N/mm <sup>2</sup> - FP: A
<b>Water absorption through capillarity</b>	<b>EN 1015-18</b>	W0
<b>Water vapour permeability coefficient</b>	<b>EN 1015-19</b>	μ = 11
<b>Thermal conductivity</b> λ <sub>10,dry</sub>	<b>EN 1745 A.12</b>	0.54 W/mK
<b>Durability</b>	<b>EN 998-1</b>	5.2.3.2 compliant
Thermal resistance - Working temperature		-30°C to +90°C
<b>Reaction to fire</b>	<b>EN 13501-1</b>	A1
<b>Hazardous substances</b>	<b>EN 998-1</b>	According note in ZA.1

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. **These parameters may vary based on the specific conditions of the worksite: temperature, humidity, ventilation, porosity of the substrate.**

(\*) The stated times may be longer or shorter as the temperature decreases or increases.

Compliant with the general principles defined in **EN 998-1** - Principles for evaluation of the use of products and systems.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

## PACKAGING

**BioRASOCAL**  
25-kg Sack

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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