

# BIO-RINZAFFO

## DATA SHEET

Bio undercoat, cement-free, made from air lime and eco-pozzolanic binders, for interiors and exteriors



Interior/Exterior



Sack



By hand



Spray

## Composition

BIO-RINZAFFO is a dry mortar made from special air lime, eco-pozzolanic binders and graded limestone aggregate from the best quality carbonate rocks. The lime used to make this product is classified as compliant with standard EN 459 and is extremely pure with non-measurable levels of heavy metals. The extreme fineness of the lime used gives the mixture unique workability, while its high specific surface area guarantees a more effective pozzolanic reaction over time. The intrinsic properties of the lime, the high purity of the raw materials used and the special formulation ensure excellent breathability without the addition of soluble salts, which may contribute to the chemical-physical degradation of the mortar.

## Supply

- Special bags with moisture protection from approx. 25kg

## Use

BIO-RINZAFFO is used as a rough coat to improve adhesion to the masonry of cement-free plasters/renderers made from lime and pozzolanic binders, such as BIO-INTONACO DI FONDO.

## Substrate preparation

The masonry must be prepared by completely removing the existing plaster in the area where the work is being performed. The surface must be free of dust, dirt, salt efflorescence, etc. Any traces of oil, grease, wax, etc. as well as loose material must be removed before application.

## Mixing

BIO-RINZAFFO is applied by hand or using plaster sprayers, such as FASSA, PFT, PUTZKNECHT, PUTZMEISTER, TURBOSOL and the like. For application by hand, add the product to the corresponding amount of clean water (as specified in the Technical Data) and mix using a mechanical stirrer at low speed until obtaining a mixture of the desired consistency. Mixing time must not exceed 3 minutes. After mixing with water, the mortar must be applied within 2 hours. BIO-RINZAFFO is applied in a single layer to thicknesses of 4-5 mm, so as to completely cover the substrate.

## Warnings

- Product for professional use.
  - Always consult the safety data sheet before use.
  - Avoid freezing and quick drying of the fresh grout. As the hardening of the mortar depends on the lime setting, a temperature of +5°C is suggested as a minimum value for application and for obtaining proper hardening of the mortar. Below this value setting would be delayed considerably, and below 0°C the fresh or partially hardened plaster may be broken up by frost.
  - For special situations, our Technical Service can evaluate the use of the product with partial coverage of the substrate.
- BIO-RINZAFFO it must be used in its original state without the addition of foreign materials.**

## Storage

Keep dry for a period not exceeding 12 months. Once the product has expired, it must be disposed of in accordance with current legislation.

## Quality

BIO-RINZAFFO is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and checked in accordance with reference standards.

## Technical Data

Specific gravity of the powder	approx. 1,250 kg/m <sup>3</sup>
Thickness	4-5 mm
Aggregate grading	< 3 mm
Clean mixing water	24-26%
Yield	3-5 kg/m <sup>2</sup>
Density of hardened mortar (EN 1015-10)	approx. 1,700 kg/m <sup>3</sup>
Compressive strength after 28 days (EN 1015-11)	> 8 N/mm <sup>2</sup>
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 15$ (measured value)
Capillary water absorption coefficient (EN 1015-18)	W0
Thermal conductivity coefficient (EN 1745)	$\lambda = 0.76$ W/m·K (tabulated value)
Compliant with standard EN 998-1	GP-CSIV-W0
Recycled/recovered/by-product content	* CERTIFICATION OF RECYCLED/RECOVERED/BY-PRODUCT MATERIAL CONTENT
	CP DOC 262 REGULATION
	CERTIFICATE No. P683
The performance values listed above are obtained by mixing the product with 25% water in a controlled temperature and humidity environment (20±1°C and 60±5% RH).	

## Environmental sustainability certifications and protocols

GEV Classification	GEV EMICODE EC 1 <sup>Plus</sup> - very low emission
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The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: [area.tecnica@fassabortolo.com](mailto:area.tecnica@fassabortolo.com), ES: [asistencia.tecnica@fassabortolo.com](mailto:asistencia.tecnica@fassabortolo.com), PT: [asistencia.tecnica@fassabortolo.com](mailto:asistencia.tecnica@fassabortolo.com), FR: [bureau.technique@fassabortolo.fr](mailto:bureau.technique@fassabortolo.fr), UK: [technical.assistance@fassabortolo.com](mailto:technical.assistance@fassabortolo.com)).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.