



RINZAFFO 720

DATA SHEET

Bio undercoat made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, for interiors and exteriors



Interior/Exterior



Sack



By hand



Spray



Composition

RINZAFFO 720 is a dry sulphate-resistant mortar, made from NHL 3.5 natural hydraulic lime and graded limestone sand.

Supply

- Special bags with moisture protection from approx. 25kg

Use

RINZAFFO 720 is used as an undercoat for the restoration of damp masonry, assisting the action of INTONACO MACROPOROSO 717 plaster against rising damp. The product moreover assists the adhesion of hydraulic lime plasters, such as INTONACO 700, to masonry.

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

RINZAFFO 720 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. After mixing with water, the mortar must be applied within 2 hours. RINZAFFO 720 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.
 - Following RINZAFFO 720, the damp masonry renovation cycle involves the application of INTONACO MACROPOROSO 717 and FINITURA 750, both made from natural hydraulic lime.
 - For special situations, our Technical Service can evaluate the use of the product with partial coverage of the substrate.
- RINZAFFO 720 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

RINZAFFO 720 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. 1,400 kg/m ³
Thickness	4-5 mm
Aggregate grading	< 3 mm
Clean mixing water	25-28%
Yield	approx. 3-5 kg/m ²
Density of hardened mortar (EN 1015-10)	approx. 1,800 kg/m ³
Flexural strength after 28 days (EN 1015-11)	approx. 4 N/mm ²
Compressive strength after 28 days (EN 1015-11)	11 N/mm ² (CSIV: > 6 N/mm ²)
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 15$ (measured value)
Capillary water absorption coefficient (EN 1015-18)	W1
Thermal conductivity coefficient (EN 1745)	$\lambda = 0.83$ W/m·K (tabulated value)
Resistance to sulphates (Anstett test)	expansion less than 1% after 3 months
Resistance to sulphates (immersion in a sulphate environment)	samples intact after 3 months immersion
Radioactivity index (UNI 10797/1999)	I = 0.07 ± 0.02
Radon Release Index (Naturally Occurring Radioactivity in the Nordic Country - Recommendation 2000)	I α = 0.07 ± 0.02
NHL 3.5 natural hydraulic lime	EN 459-1
Compliant with standard EN 998-1	GP-CSIV-W1

The performance values listed above are obtained by mixing the product with 26.5% 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 ^{Plus} - very low emission
--------------------	--

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.technica@fassabortolo.com, ES: asistencia.tecnica@fassabortolo.com, PT: assistencia.tecnica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: 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.