

RINZAFFO 720

DATA SHEET

Bonding render 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 sulphate-resistant dry mortar, formulated with NHL 3.5 natural hydraulic lime, graded limestone aggregate and specific additives.

Supply

- Special sacks with moisture protection, approx. 25 kg

Use

RINZAFFO 720 is used as a bonding render for the restoration of damp masonry, assisting the action salt-resisting action of INTONACO MACROPOROSO 717 against rising damp. The product moreover improves the adhesion of hydraulic-lime-based renders, 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 from dust, dirt, salt efflorescence, etc. Any traces of oil, grease, wax, etc. as well as all loose and powdering material must be removed before application.

Mixing

RINZAFFO 720 is applied by hand or using plastering machines, 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 a mix of the desired consistency is obtained. After mixing with water, the mortar must be applied within 2 hours. RINZAFFO 720 is applied in a single coat to thicknesses of 4-5 mm, so as to completely cover the substrate.

Warnings

- Product recommended for expert users.
 - Always read the safety data sheet before use.
 - Avoid freezing and quick drying of the fresh mortar. 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 mortar 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 must be used as supplied, without the addition of any extraneous materials.**

Storage

Keep in a dry place 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 continuous 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 size	< 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)	$I = 0.07 \pm 0.02$
Radon Release Index (Naturally Occurring Radioactivity in the Nordic Country - Recommendation 2000)	$I_{\alpha} = 0.07 \pm 0.02$
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 ^{Pi} us - very low emissions
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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 verify 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, 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.