

INTONACO MACROPOROSO 717

DATA SHEET

Bio base coat plaster 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

INTONACO MACROPOROSO 717 is a dry, water-repellent, sulphate-resistant mortar made from natural hydraulic lime NHL 3.5, marble powder and graded limestone sands.

Supply

- Special sacks with protection against moisture, approx. 25 kg.

Use

INTONACO MACROPOROSO 717 is used as a base coat plaster with application by hand or machine for the restoration of damp masonry.

Substrate preparation

The wall must be prepared by completely removing the existing plaster to at least one metre above the part where humidity is visible.

The surface must be free of dust, dirt, salt efflorescence, etc. Any traces of oil, grease, wax etc. as well as any crumbling parts must be removed beforehand. After washing a first time with water, using a pressure cleaner if necessary, the substrate must be left to dry in the air and allow any remaining salts to crystallise; these are then removed by dry brushing.

Apply RINZAFFO 720 restoration undercoat to the prepared surface.

Mixing

INTONACO MACROPOROSO 717 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 by hand or using a mechanical stirrer for no more than 3 minutes, until obtaining a mixture of the desired consistency. After mixing with water, the mortar must be applied within 2 hours.

The plaster is applied from the bottom upwards and then levelled using an H-shaped or blade screed with horizontal and vertical movements so as to ensure a flat surface. Apply INTONACO MACROPOROSO 717 to a minimum thickness of 20 mm (minimum recommended thickness 30-40 mm).

For thicknesses exceeding 20 mm, the plaster must be applied in a series of layers. Apply subsequent layers once the previous layer has hardened. The underlying layers must be left rough, and therefore must be levelled by screed without compressing the product.



Warnings

- Product for professional use.
- The fresh render must be protected against frost and quick drying. As the hardening of the plaster depends on the air setting of the lime, 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.
- Application in strong winds can cause the formation of cracks and "burning" of the render. In these conditions suitable precautions should be adopted (protection of indoor spaces, application of the plaster in two layers, carefully floating the surface, etc.).
- Paint, coverings and wallpaper etc. must only be applied after the plaster has completely dried and cured (about 4 weeks).
- Aerate the rooms thoroughly after application until the mortar is completely dry, avoiding excessive changes in temperature in the rooms.
- To ensure the maximum dehumidifying effect of the plaster it is most important to use finishing products with excellent breathability.
- Due to the nature of the raw materials used (natural sands), uniformity of colour cannot be guaranteed between different supply lots. As a result, all the material required to finish the job should be acquired from the same batch.
- All renovating plasters perform their function until the air pores are completely saturated with salt. Since the saturation speed varies according to the specific situation, the life of the renovating plaster cannot be specified in advance.

INTONACO MACROPOROSO 717 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

INTONACO MACROPOROSO 717 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

Minimum thickness	20 mm
Aggregate grading	< 3 mm
Clean mixing water	17.5-19%
Yield	approx. 11.5 kg/m ² per cm in thickness
Density of hardened mortar (EN 1015-10)	approx. 1,500 kg/m ³
Compressive strength after 28 days (EN 1015-11)	approx. 2.5 N/mm ²
Modulus of elasticity after 28 days	approx. 3,000 N/mm ²
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 8$ (measured value)
Capillary water absorption coefficient (EN 1015-18)	$c \geq 0.3$ kg/m ² after 24 h
Water penetration following the capillary absorption test (EN 1015-18)	≤ 5 mm
Thermal conductivity coefficient (EN 1745)	$\lambda = 0.53$ W/m-K (tabulated value)
Incorporated Air	approx. 25%
Radioactivity index (UNI 10797/1999)	$I = 0.06 \pm 0.02$
Radon Release Index (Naturally Occurring Radioactivity in the Nordic Country - Recommendation 2000)	$I_{\alpha} = 0.05 \pm 0.02$
NHL 3.5 natural hydraulic lime	EN 459-1
Class	R-CSII according to EN 998-1

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, 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.