



PALLADIO[®] BM 55

Bio-mortar for masonry, M5 class.



Product description

Dry premix based on selected inerts, binders based on slaked and natural hydraulic lime NHL 5, with high purity and low soluble salt content and highly bio-degradable special additives.

Fields of use

PALLADIO BM 55 is a mortar indicated for restoration and bio-construction works, which do not require high mechanical resistance, but rather high elasticity and grip. Its special formula allows for the obtaining of a mortar with mechanical resistance to compression equal to 5 N/mm² after 28 days.

BM 55

Surface Preparation and Application

The surface must be free from dust, efflorescence, oils and fats. When temperatures are high, it is advisable to wet out the brick before laying.

For the application, operate as follows:

Prepare the dough by adding about 17 lt. of water x 100 kg of dry product: stir in drum and, if needed, add water to reach optimum consistency (for product delivered in bags), or adjust the water intake of the mixer to reach optimum consistency (for product delivered in silo). Proceed with application after having placed alignment and lead weights, taking care to properly attach each item.

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Supply and Storage

PALLADIO BM 55 is supplied in bulk, in a 22m³ silo and in bags, on stretch pallets. Store in a cool, dry and non ventilated place. Keep packaging intact.

Specifications

The elements used for the elevation of the walls, both internal and external, type apparent bricks, concrete blocks, etc. must be carefully enticed with the premixed mortar PALLADIO BM 55 from Fornaci Calce Grigolin, dry premix based on selected inerts, slaked and hydraulic binders and special additives to improve workability and grip.

Warnings

Do not mix PALLADIO BM 55 with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. Avoid using BM55 when temperatures are below +5°C or above +30°C. Wet surface before application. Do not apply onto frozen surfaces.

BM 55

TECHNICAL DATA	RESULTS
Specific weight	1550 kg/m ³ deter.in free fall
Maximum diameter	3 mm
Pot life	2 hrs
Water in the mix	approx. 17%
Mechanical resistance to compression at 28 days	> 6 N/mm ²
Mechanical resistance to flexion at 28 days	> 2 N/mm ²
Chloride content	< 0,01%
Rezistance to initial cut	0,15 N/mm ² (tabulated value)
Water vapor permeability μ	15/35 (tabulated value)
Fire resistance	A1 class
Thermal conductivity	0,92 W/mK (tabulated value)

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The reported data refers to Quality Control tests in standard environmental conditions. Practical applications in the construction sites may detect significantly changed data, depending on operating conditions, so the information on the Card is only indicative because the user must always check its suitability for intended use of the product by taking responsibility for the use. Fornaci Calce Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice.