

palladio bio-construction

BM 30

Bio-mortar for masonry with exposed concrete, M2.5 class



Product description

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

Supply and Storage

BM30 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.

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 19 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.

Fields of use

BM30 is a mortar for masonry with exposed concrete, interior or exterior, particularly indicated for restoration and bio-construction works, which require low mechanical resistance and high plasticity and grip. Its special formula allows for the obtaining of a mortar with mechanical resistance to compression equal to 2.5 N/mm² after 28 days. The low particle size allows for a perfect styling of the joints.

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 BM30 from Fornaci Calce Grigolin, dry premix based on selected inerts, slaked and hydraulic binders and special additives to improve workability and grip.

Technical data according to the UNI EN 998-2 Standard

Specific weight	1.400 kg/m ³ determined in free fall
Maximum diameter	1,2 mm
Pot life	2 h
Water in the mix	approx. 19%
Min. application thickness	0,5 cm
Mechanical resistance to flexion at 28 days	> 1,0 N/mm ²
Mechanical resistance to compression at 28 days (M2.5)	> 2,5 N/mm ²
Chloride content	< 0,01%
Resistance to initial cut	0,15 N/mm ² (tabulated value)
Water vapor permeability μ	15/35 (tabulated value)
Fire resistance	A1 class
Thermal conductivity λ	0,54 W/mK

Disclaimers

Do not mix BM30 with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. Avoid using BM30 when temperatures are below +5°C or above +30°C. Wet surface before application. Do not apply onto frozen surfaces.

