



MALTA DA ALLETTAMENTO

MORTAR FOR NATURAL STONE, HOLLOW BRICKS AND SOLID BRICKS

MALTA DA ALLETTAMENTO is a mortar made of natural hydraulic lime (NHL 3.5 according to EN 459) with a typical light hazelnut color and limestone aggregates with a 0.0-2.0 mm granulometric curve. With excellent properties of steam permeability, high elasticity and adhesiveness it is suitable for brickwork and natural stones walls. It has physical, chemical and aesthetic characteristics very similar to historical mortars. It is environmentally friendly and cement-free. It is therefore recommended for the renovation of historical masonry, in bio-construction and, in general, in quality building, for interiors and exteriors.



Technical data sheet



Use:

MALTA DA ALLETTAMENTO is used as mortar for hollow bricks, full bricks and natural stones.

Surface preparation:

The brickwork must be free of dust, dirt, traces of oils, and must also be uniformly damp in order to ensure proper setting of the mortar; for this reason it is advisable to calibrate the level of wetting in relation to the atmospheric conditions to the absorption capacity of the material. Do not use frozen bricks.

Application:

Mix only with clean water without adding other products. It can be hand kneaded, in a cement or screw mixer, with approximately 5.75 litres of water for each bag. Lay a continuous mortar bed 10-15 mm thick horizontally, then lay the elements to be fitted on the fresh mortar, checking the alignments. The vertical joints must always be filled with mortar, unless differently instructed by the cement manufacturer (for example interlocking blocks). Once the element has been laid, the mortar must protrude slightly from the joints to guarantee complete filling.

The excess mortar must be scraped before hardening and any possible holes must be filled with mortar and shards in order not to create problems of different thicknesses in the subsequent plastering phase.



Compressive strength	M 2.5 Class
Initial shear strength	0.15 N/mm² (tabulated value)
Reaction to fire	A1 Class
Steam permeability	μ 15/35 (tabulated value)
Thermal conductivity	0.76 λ_{10,dry} [W/mK] (tabulated value)
grain size	0.0/2.0 mm
Mixing water	23 %
Bulk density	1680 kg/m³
Consumption per m ²	variable
Packaging	25 kg anti-humidity sack
Storage	in a dry place for up to 12 months



Warnings:

- Do not mix MALTA DA ALLETTAMENTO with other products.
- Apply exclusively at room and wall temperatures between +5°C and +35°C in the absence of wind to avoid disintegration caused by frost or cracking or "burning" due to rapid water evaporation.

Caution:

The mechanical strength of the mortar is affected by the amount of water in the mixture and by the drying times. It is therefore recommended to check these parameters making sure to keep the amount of water used constant and protecting brickwork from frost and from rapid drying (cover with sheets, wet if necessary) for at least 2-3 days after application. Attention: natural lime based mortars require longer manufacturing and curing times than ordinary premixed cement mortar.