



Basic MALTA M5

ST3-0221

Cement-based mortar M5



DESCRIPTION

BASIC malta M5 is a ready-to-use cement mortar. It is CE marked according to the requirements of UNI EN 998-2 for mortar for masonry class M5.

USES

It is used for the construction of outdoor and indoor masonry.

APPLICATION

	Manual application		Workability time of fresh mortar: 90 mins
	Mechanical device application		Mixing water: 3,5-4,25 lt/ 25Kg variable according to the desired workability
	Max thickness per coat: 10-30 mm for vertical application		

BASIC mortar M5 must be mixed with drinking water in the quantities shown in the table. It is advisable to introduce 3/4 of the required water into the mixer, adding the product and the remaining water continuously, until the desired consistency is achieved. Mix carefully until you get a perfect amalgam. The product must not be added during preparation and laying with no other binder. Apply with normal manual or mechanical device. Do not mix the product by adding water once it has started setting.

BASIC mortar M5 must be applied on clean surfaces, free from dust, flaking parts, paints, grease and any other material that could affect the good anchoring.

CONSUMPTION

15 Kg/m²/cm

PACKAGING

Bag. 25 Kg.

STORAGE

The product fears moisture. Store in a sheltered and dry place; in these conditions and in intact containers, the product maintains its stability for 12 months.

Characteristics	Value
Appearance	Powder
Color	Grey

pH in water dispersion	> 11
Application temperature	+5 - +35 °C
Particle size distribution UNI EN 1015-1 (passante a 3,00mm)	100 %

Characteristics (mixing water 18%)	Limits EN 998-2	Value
Elements ratio in weight [%]	Declared value	Binder: 11 Aggregates: 86
Bulk of hardened product [Kg/mc]		1900
Compressive strength in 28 dd EN 1015-11 [MPa]		≥ 5
Flexural strength in 28 dd [MPa]		≥ 2
Initial shear strength [MPa] with masonry elements in compliance with EN 771		0,15
Capillar water absorption EN 1015-18		1,3
Thermal conductivity λ (W/mK)		0,73
Water vapour permeability EN 1745		15/35 [Valore tabulato]
Classe di reazione al fuoco		A1
Sostanze pericolose		Vedere scheda di sicurezza

physical, ecological, toxicological and other data related to safety.

All technical data shown in this Technical Data Sheet are based on laboratory tests. Actual measurement data may vary due to circumstances beyond our control.

The information and requirements indicated in this Technical Data Sheet are based on our current knowledge and experience and are to be considered, in any case, purely indicative. They cannot guarantee the final result of the applied product and they have to be confirmed by exhaustive practical applications; therefore the user must test the suitability of the product for the intended application and its purpose. Users must always refer to the latest version of the local technical data sheet related to the product.

WARNING

Product intended for professional use.

Check the integrity of the package before use and do not use the product with lumps.

Use all the material once the package has been opened.

Do not apply the mortar on friable and flaking surfaces: in this case contact our technical office.

Do not apply at temperatures below + 5 ° C or above + 35 ° C, on sunny surfaces or with an imminent rain forecast, on windy days or foggy.

Wet the substrate before application of the mortar, so as to prevent the wall from absorbing an excessive quantity of mixing water from the mortar, which could lead to the "burn" with possible detachments and cracks. Moisten the plaster after a few days from application to avoid rapid drying.

The marking obligations are not related to the intrinsic nature of a given product, but to the use for which a specific material is used: before ordering in Kimia, it will be the customer's responsibility to submit all the available documentation to the construction supervision, so that it can establish the suitability of the materials (in terms of certifications and performance) in relation to the use for which they are intended.

For further information and advice on safe handling, storage and disposal of chemical products, the user must refer to the most recent Safety Data Sheet, containing