AA M5
MASONRY MORTAR

1 \ ABOUT THIS PRODUCT

AA M5, is a cementitious grey dry mortar, designed for external and internal brick-laying.
This Dry Mortar is factory produced from carefully selected raw materials, thus assuring constancy and quality. It only requires the addition of water on site.

2 \ SUITABILITY

AA M5 is suitable for brick-laying of walls, and can be used with most types of brick, in both internal and external walls.

3 \ PACKAGING

AA M5 is supplied on 25 kg bags.

4 \ STORAGE AND SHELF LIFE

AA M5 must be kept on its bag until usage. When stored unopened in a dry place at temperatures above 5°C, and sheltered from direct sunlight, shelf life is 12 months from date of manufacture.

5 \ TECHNICAL DATA

Powder bulk density	1500 ± 200 kg/m^3
Consistency (Flow table)	170 ± 10 mm
Workable Life	60 min
Fresh mortar bulk density	1950 ± 200 kg/m^3
Compressive Strength (28 days)	≥ 5 N/mm^2
Capillary water absorption (28 days)	≤ 1,50 kg/m^{2}min$^{0.5}$
Water vapour Permeability	μ 15/35 (Tabulated value)
Thermal Conductivity ($\lambda_{10,dry}$)	0,9 W/mK (A.V.Tab; P=50%)
Proportion of constituents	
Check the Declaration of Performance, available at www.cimpor.com	

Yield as brick-laying mortar
Practical average values, estimated from our experience, and considering vertical and horizontal joints 1 cm thick. Results may be different on construction site.

Hollow Clay Brick	Concrete Blockwork
Brick 30 x 20 x 7 : 20 kg/m^2	Block 50 x 20 x 10 : 30 kg/m^2
Brick 30 x 20 x 11 : 30 kg/m^2	Block 50 x 20 x 15 : 45 kg/m^2
Brick 30 x 20 x 15 : 40 kg/m^2	Block 50 x 20 x 20 : 60 kg/m^2
Brick 30 x 20 x 22 : 60 kg/m^2	

These results were obtained in controlled laboratory conditions in observance of the EN 998-2 European Standard.

6 \ PREPARATION AND APPLICATION

6.1 \ Brick Preparation (Clay Brick/Blockwork

• The brick must be, clean and free of any material which may impair adhesion;
• The brick shall be moist, but not wet, previous to mortar application.

6.2 \ Application

Add and thoroughly mix 3,5 to 4 litres of water to each 25 kg bag. If you're using a continuous screw mixer, then adjust the water to the minimum flow necessary to achieve the required workability.
Once mixed, this Dry Mortar shall be applied in the same fashion as traditional site-made mortars.
The mortar must be applied within 1 hour of mixing, and no further water may be added.

7\ GOOD PRACTICES
DO NOT ADD ANY OTHER MATERIALS TO THE DRY MORTAR.

7.1 \ Mixing water

The mixing water must be clean, and preferably potable. Drinking water is generally suitable.
If using mixing machines with automatic water dosing, the water feed must have a minimum pressure of 3 bar, and must have a steady regular flow
Once the mixing is done, do not add any further water to the mortar.

7.2 \ Climate exposure

AA M5 must not be applied if the environmental temperature is below 5ºC or above 30ºC.
Do not apply on top of frozen substrates, avoid application if the substrate is subject to direct strong winds or intense sun exposure.

8 \ HEALTH AND SAFETY

Contains cement (Contains chromium (VI). May produce an allergic reaction). Harmful by inhalation. Irritating to eyes and skin. Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection.Do not swallow.
For further information, please request the Material Safety Data Sheet for this product.

Any information presented on this document is, to the best of our knowledge and on the issue date, true. This document can be revised, and any information changed, without prior warning. Our responsibility goes only as far as the quality assurance of the product, and, thus, does not cover any eventuality that may arise from using this product in any form different from its intended use.

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For further information, check our Declarations of Performance, available at: **www.cimpor.com**