

MORTAR M5b LIME

The M5b CAL dry grey mortar supplied by AYMAR S.A.U. is an industrial mortar made from marble arids, cement, lime and special additives that give it optimal workability, plasticity and workability and adherence. Mortar commonly used in masonry, especially for placing tiles.

Composition

Compounded by crushed marble aids intended for construction, such as concrete arids and mortars (IN 12620 and 13139), CEM I cement - 42, 5R cement (IN 197-1 and UNE 80601), calcium hydroxide, dull hydrated aerial lime (IN 459-1) and organic additives to improve mortar workability, reduce mixing water, increase cohesion, reduce exudation and prevent segregation.

Application field

The grey dry mortar M5b CAL is a multipurpose mortar. It is used for plastering, building walls, load-bearing walls, traditional masonry with bricks and tiles, terrazzo, prefabricated concrete and thermo-clay, filling and screeds.

Usage instructions

- Prepare support: clear and moisten support before application.
Support must be perfectly fixed, strong, consistent, dust-free, paint, oil, etc.
- Blending Preparation: Always use clean running water.
Add 3.75–4 l. of water grazing by bag and mixing manually (battery) or using the projecting machine until a homogeneous mass is obtained and applied.

Usage recommendations

- Do not apply at low temperatures and high humidity, with rain or at risk of frost. Application temperature must be between 5 °C and 30 °C.
Do not apply on plasters or joins of easily disintegrable pieces.
- It is not recommended to project with a machine.
- To achieve a satisfactory finish, it is advisable to wet the mortar applied several times during the first two weeks from 24 hours after the application.
- The addition of another material (additives, cement, etc.) can change the behaviour and characteristics of the product.

Technical data

Field	Features	Value	Test rule
Product	Regulatory designation	M5 CSIII W0	EN 998-2 EN 998-1
	Appearance	Gray	-
	Granulometry	0-2 mm	EN 1015-1
	Dust density	1600 Kg/m ³	EN 1015-10
	Apparent mortar density hardened	2000 Kg/m ³	EN 1015-10
Application	Water pasta	15-15.5%	-
	Conservation duration/job fit	120 minuts	EN 1015-9
	Blending desity	2200 Kg/m ³	EN 1015-10
	Performance	1,8 Kg/m ² y mm de gruix	
	Consistency	175 ± 10 mm	EN 1015-3
Technical features	Compression resistance	≥5 N/mm ²	EN 1015-11
	Bending resistance	1,5 N/mm ²	EN 1015-11
	Accession on concrete sustratums	> 0,25 N/mm ² (tipo b)	EN 1015-12
	Air content	5%	EN 1015-7
	Initial shear strength	0.15 N/mm ²	EN 998-2(tab value)
	Chloride content	< 0.01%	EN 1015-17
	Water absorption by capillary	< 1.0 Kg/(m ² ·min ^{0.5})	EN 1015-18
	Permeability	Reactiu nitrat de potassi < μ=6 Reactiu clorur de liti < μ=6	EN 1015-19
	Thermal conductivity	λ _{10,dry} = 0,83 W/mK	EN 1745 (tab value)
	Water vapor diffusion coefficient	μ=15/35	EN 1745 (tab value)
	Fire reaction	Classe A1	EN 998-2
Presentation	Approximately 25 kg paper bag. Store no more than 12 months after the manufacturing date in the original closed packaging in a covered, dry and ventilated place.		

For security precautions regarding use, storage, and product removal, see the available security dataset on the website www.aymarsa.es.

NOTE: The information contained in this technical sheet is based on our experience and on tests carried out in specialised laboratories. The characteristics of the resulting product will depend on the user's correct preparation and application on the site. If these conditions are not met, the above characteristics will not be achieved.



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