

MasterEmaco N 215 FC

Ready-mixed, water-repellent and highly breathable cement-free hydrated lime mortar, recommended for millimetric or skim coats of interior and exterior plasters.

MATERIAL DESCRIPTION

MasterEmaco N 215 FC is a ready-mixed fine plaster mix consisting of hydrated lime and selected carbonatic sands having a maximum diameter of 0.6 mm, which bonds extremely well to the substrate and is impermeable to rainwater and breathable.

FIELDS OF APPLICATION

MasterEmaco N 215 FC is the ideal skim coat for MasterEmaco serie (and for plasters in general except putty).

MasterEmaco N 215 FC, with its characteristics of water impermeability, fine particle size, may also be used as a final coat.

The recommended thickness is 3 mm.



FEATURES AND BENEFITS

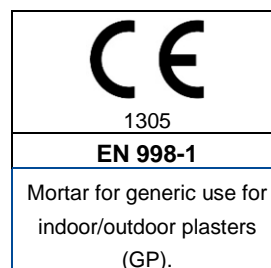
Features peculiar MasterEmaco N 215 FC are:

- material with CE mark: the product, production process and quality control are to UNI EN 998/1;
- cement free: the total absence of cement makes MasterEmaco N 215 FC a product that is fully compatible with masonry;
- very low content of water-soluble salts: MasterEmaco N 215 FC features low electrical conductivity, does not introduce salts containing sulphates, chlorides,

nitrites, potassium or sodium and does not contribute to the chemical-physical damage connected with the formation and crystallization of those salts;

- high permeability to water vapour: this is important to allow normal transpiration of the masonry;
- waterproof: important to ensure that water on the outside does not penetrate the masonry;
- high adhesion to the substrate: this basic feature makes MasterEmaco N 215 FC ideal for preparing the substrate for finishing coats;
- no reaction to fire: the material is not combustible and does not produce fumes (Euroclass A1).

In compliance with the European Regulation (EU No 305/2011 and EU No. 574/2014) the product is provided with the CE marking according to UNI EN 998-1 and the relative DoP (Declaration of Performance).



CONSUMPTION

1.4 kg/m² per mm thickness.

PACKAGING

25 kg bag.

STORAGE

Store the product in a dry and sheltered place at a temperature anywhere between 5 and +35°C.

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Technical Information		
Colour of mix	Hazelnut-pink	
Mixing ratio	6-6.5 l for bag (24-26%)	
Consistency of mix	Tixotropic	
Temperature of application	from 5°C to 35°C	
Pot life of mix	60 minutes	
Packaging	25 kg bag	
Coverage	1.4 kg/m ² for 1 mm	
Maximum thickness	3 mm	
Essential characteristic in accordance to 998-1 with a dosage of water of 25%		Performance
Vapor diffusion coefficient	UNI EN 1015/19	$\mu = 14$
Fire reaction	EN 13501	Euroclasse A1
Compression strength,	UNI EN 1015/11	1,1 MPa Class CS I (0,4 ÷ 2,5 MPa), UNI EN 998/1
Adhesion to the substrate	UNI EN 1015/12	> 0,1 MPa, failure mode A
Thermal conductivity	UNI EN 1745	0.67 W/mK

APPLICATION SHEET

PREPARATION OF THE SUBSTRATE

In order to obtain the maximum adhesion between mortar and the latter support must be roughened as much possible; any inconsistent parts must be removed. Any residues of efflorescence and any other substance it may affect adherence. Before applying the mortar, the support must be cleaned and saturated with low pressure water. There saturation is needed to prevent the media from remove water from the mortar; inaccurate saturation it could cause loss of adhesion and cracking of the filler mortar. If the substrate cannot be saturated with water, yes however, it is recommended to carry out a minimum wetting to allow correct adhesion of the mortar.

TEMPERATURE

MasterEmaco N 215 FC may be used when the ambient temperature is anywhere between +5°C and +35°C.

MIXING

MasterEmaco N 215 FC is mixed with just clean water in the quantity of 24÷26% by weight of the dry product (6.0÷6.5 liters per 25 kg bag). Use a concrete mixer or a drill with whisk attachment to mix until a lump-free smooth plastic mix is obtained. It is inadvisable to mix by hand.

APPLICATION

- the mortar may be applied by hand over existing or freshly applied plaster;
- it is advisable to apply the mortar using a metal float and upon signs of first hardening to pass a sponge float with a circular motion over the surface to make it smooth. The maximum thickness per applied layer is 2 mm.

SAFETY INSTRUCTION

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

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OTHER SERVICES

For price analysis, specifications, supplementary brochures, references, reports and technical assistance, visit the website www.master-builders-solutions.com/it-it or contact infomac@mbcc-group.com.

Scan the QR code to visit the product page and download the latest version of this datasheet.

Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

Master Builders Solutions Italia Spa

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Therefore, the customer is not exempted from the exclusive task and responsibility of verifying the suitability of our products for the intended use and purposes.

This version supersedes all the previous ones.