

# MasterEmaco® N 215 FC (Formerly known as Albaria® Stabilitura)

**Natural Hydraulic Lime Based Surface Finishing Mortar Designed for Historical Masonry Buildings.**

## DESCRIPTION OF PRODUCT

**MasterEmaco® N 215 FC** is natural hydraulic lime based, cement-free, ready-pack mortar for smooth surfaces under paintings in restoration of historical buildings.

## FIELDS OF APPLICATION

**MasterEmaco® N 215 FC** is used in;

- Providing with smooth surfaces before painting
- Surface levelling on lime mortars
- Repair of lime based plasters

## FEATURES AND BENEFITS

- Cement free.
- Water-born salts (alkalis, sulphates, chlorides or nitrates), are limited
- Ready-pack
- High bonding on plaster
- Does not affect the vapour and moisture permeability of the existing building
- Low capillary water absorption
- Efflorescence resistant

## APPLICATION PROCEDURE

### Preparation of Substrate

The surfaces should be free of frost, curing membranes, waterproofing treatments, oil stains, laitance, friable material and dust. The surfaces should be wetted before application. If there is a water leakage it must be drained or properly plugged.

### Mixing

Add enough water into a clean mixing bucket by using a proper water gauge. Add the powder into the bucket slowly and continuously. Mix the fresh mortar with a proper electrical mixer (400- 600 rpm) for 4 minutes until having a homogenous consistency. Let the mortar have rest for 4 minutes and re-mix for 30 seconds.

### Mixing Ratio

MasterEmaco® N 215 FC	1 kg Powder	25 kg Bag
Water Quantity	0,24-0,26 liter	6,0-6,5 liter
Mixed Density	1,70-1,80 kg/liter	

## APPLICATION METHOD

**MasterEmaco® N 215 FC** should be applied to the prepared surface by using a trowel. Application thickness should be between 2-3 mm. After the mortar finishes its first setting, some water should be sprayed onto the mortar and the surface should be finished with using steel or wooden trowel. For obtaining smoother layer, second layer application should be done after 24 hours. First layer should be wetted before second layer applied. Open areas should be protected from the rain, wind, etc. Aggressive whether conditions during the first 24-48 hours after finishing repair by using wet clothes, curing membranes etc.

## COVERAGE

1.4 kg/m<sup>2</sup> for obtaining 1 mm thick layer.

## WATCH POINTS

- During the application the substrate and environment temperature should be between 5-35°C.
- For full curing of material, both the substrate and environment temperature shouldn't be under allowed application temperature.
- Open areas should be protected from the rain, wind, etc. Aggressive whether conditions during the first 24-48 hours after finishing application.

## CLEANING OF TOOLS

After the application all tools should be cleaned with water. **MasterEmaco® N 215 FC** can be cleaned with only mechanical abrasion after hardening.

## PACKAGING

25 kg bag


## STORAGE

Store in original container in cool (+5°C-+30°C) and dry indoor conditions.

## SHELF LIFE

12 months under proper storage conditions after production date.

## TECHNICAL DATA

Product Chemistry	Includes Natural Hydraulic Lime, Micronized Carbonates and Fine Aggregates	 <b>KR</b>
Color	Off-White	
Aggregate Size	0-0,6 mm	
Compressive Strength EN 196	11 kg/cm <sup>2</sup> (90 days)	
Water Vapour Permeability	μ<14	

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### HEALTH AND SAFETY PRECAUTIONS

It is dangerous to approach the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, the mixtures should not come into contact with skin and eyes; in case of contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children. For detailed information please consult the Material Safety Data Sheet.

### DISCLAIMER

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### CONTACT INFORMATION

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**MasterEmaco® N 215 FC** Technical Data Sheet -Revision  
Date: 12/2020