

MasterCrete™ 215 FC (Albaria® Stabilitura)

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

Material Description

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

Areas of Application

MasterCrete™ 215 FC is used in;

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

Characteristics 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

Processing Method

(A) 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.

(B) 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

MasterCrete™ 215 FC	1 kg Powder	25 kg Bag
Water Quantity	0,24-0,26 lt.	6,0-6,5 lt.
Mixed Density	1,70-1,80 kg/lt.	

(C) Processing

MasterCrete™ 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 weather conditions during the first 24-48 hours after finishing repair by using wet clothes, curing membranes etc.

Consumption

1.4 kg/m² for obtaining 1 mm thick layer.

Technical Properties		
Product Chemistry	Includes Natural Hydraulic Lime, Micronized Carbonates and Fine Aggregates	KR
Color	Off-White	
Aggregate Size	0-0,6 mm	
Compressive Strength (TS EN 998-1)	1.07 N/mm ² (90 days)	
Water Vapour Permeability	μ<14	

Typical values were obtained from experiments at +23°C, 50% relative humidity. High temperatures shorten the times, low temperatures lengthen them.

MasterCrete™ 215 FC (Albaria® Stabilitura)

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

Point to Consider

- During the application the substrate and environment temperature should be between 5°C - 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. **MasterCrete™ 215 FC** can be cleaned with only mechanical abrasion after hardening.

Packaging

MasterCrete™ 215 FC is available in a 25 kg bag

Shelf Life

12 months after the production date under appropriate storing conditions. Opened packages should be stored under appropriate storage conditions and used within one week.

Storage

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

Health and Safety

Work cloth, protective gloves, goggles and masks concordant with Work and Worker Health rules must be used during the application. Due to irritant effects of the non-cured material, avoid contact to skin and eyes during storing and application. If such a contact occurs, it must be washed by soap and plenty of water. Consult a physician urgently if swallowed. Food and drink must be kept outside the application areas. Must be stored away from children. Please look at the Material Safety Data Sheet for detailed information.

Disclaimer

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is only responsible for the quality of the product **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

Contact

MBT Teknik Yapı Kimyasalları San. ve Tic. A.Ş.
Eyüp Sultan Mah. Sekmen Cad. Hayy 1000A
No:26/8 Sancaktepe, İstanbul
Tel: 0216 561 35 45 www.mbt-tech.tr