

# MasterEmaco® A 235

## Hydraulic Lime (HL 3,5)

### PRODUCT DESCRIPTION

MasterEmaco® A 235 is cement-free, hydraulic lime burnt at low temperatures (900°C) for lime mortar production.

TS EN 459-1

KUDEB

EN 998/2

### FIELD OF APPLICATION

MasterEmaco® A 235 is used in following cases as binder of lime mortar;

- Plastering production
- Building of masonry walls
- Building of masonry and natural stone joints

### FEATURES AND BENEFITS

- Cement free
- Burnt with traditional methods at low temperatures
- Can be used in production of different lime mortars compatible with existing building materials
- Does not affect the vapour and moisture permeability of the existing building

### APPLICATION METHOD

#### (a) Surface Preparation

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

The work instructions of the restoration project should be followed.

#### (c) Application

Fresh mortar should be applied to the prepared surface by using a trowel as mentioned application thickness in instructions. 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 thicker applications first layer should be wetted after it hardens. Then the new layer application can be done. 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

TECHNICAL DATA			
Properties	Standart	Data	Unit
Product chemistry	-	Hydraulic Lime	-
Colour	-	Light Beige	-
Density (kg/l)	-	0,85 ± 0,05	kg/l
Application Temperature	-	+5°C +40°C	Celcius
Pot Life (dk)	-	50	dk
Compressive Strength (Mpa)	EN 1015 – 11	3,5	N/mm2
Flexural Strength (Mpa)	EN 1015 - 11	1,2	N/mm2
Water Vapour Permeability	EN 1745	15/35 µ	-
Capillary Water Absorption	EN 1015 – 18	≤ % 2,0	kg/(m².min <sup>0.5</sup> )
Reaction to Fire	EN 13501 - 1	A1	-

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### COVERAGE

Depends on the mix design of lime mortar

### WATCH POINTS

- During the application the substrate and environment temperature should be between 5°C-40°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 weather conditions during the first 24-48 hours after finishing application.

### CLEANING AGENT

After the application all tools should be cleaned with water. MasterEmaco® A 235 can be cleaned with only mechanical abrasion after hardening..

### PACKAGING

15 kg'lik kraft bag

### STORAGE

Store in original container in cool (+5°C-+35°C) and dry indoor conditions.

### SHELF LIFE

12 months under proper storage conditions after production date.

### 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 mixture should not come into contact with skin and eyes; in case of a 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

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. BASF Türk Kimya Sanayi Tic. Ltd. Şti. is only responsible for the quality of the product. BASF Türk Kimya Sanayi ve Tic. Ltd. Şti. 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

BASF Türk Kimya San. ve Tic. Ltd. Şti. Yapı  
Construction Chemicals Division  
Barbaros Mah. Begonya Sok. Nidakule Ataşehir Kuzey C Kapısı  
C Kapısı No:3E/ 5-22 34746 Ataşehir / İSTANBUL  
Phone: 0216 570 34 00  
Fax: 0216 570 37 79  
Mail:master-builders-solutions-turkey@basf.com  
[www.master-builders-solutions.basf.com.tr](http://www.master-builders-solutions.basf.com.tr)

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EN 998-2:2016 MASTEREMACO A 235 Tarif Edilmiş Kagit Harçları (Prescribed Masonry Mortars) Genel Amaçlı Harç (General Purpose Mortar)	
Proportion of Constituents (Bileşenlerin Oranları)	EN 196-1 Mortar design By weight EN 196-1 Harç Tasarımı Ağırlıkça
Başıncı Dayanımı (Compressive Strength)	M3,5
Klorür içeriği (Chloride ion Content)	≤ % 0,1
Capillary Water Absorption (Kapiler Su Emme)	≤ % 2,0 kg/(m <sup>2</sup> .min <sup>0,5</sup> )
Water vapour permeability (Su Buharı Geçirgenliği)	15/35 µ
Thermal conductivity (Isıl İletkenlik)	1,17 W/(m.K)
Yangına tepki (Reaction to fire)	A1
Tehlikeli maddeler (Dangerous substances)	Madde 5.4'e uygun (Comply with clause 5.4)



We create chemistry

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