Mape-Antique

CEMENT-FREE LIME-BASED PRODUCTS FOR RENOVATING
MASONRY BUILDINGS

www.mapei.com
MAPEI®
ADESIVI · SIGILLANTI · PRODOTTI CHIMICI PER L'EDILIZIA

Mape-Antique Line

The physical and mechanical characteristics of **Mape-Antique** products are similar to those of building and rendering mortar used in the past and provide high chemical-physical resistance, particularly to aggressive weather conditions acting on the outside of the masonry and soluble salts and damp acting on the inside of the masonry.

All **Mape-Antique** products are made from **lime and Eco-Pozzolan** and contain **no cement**. They meet specific certification requirements and comply with EN 998-1 (Internal and external rendering mortar) and EN 998-2 (Masonry mortar). They are also considered Eco-Sustainable mortars, as they are certified EC1 R Plus by the GEV Institut, with very low emission of volatile organic compounds.

The advantages of choosing *Mape-Antique*:

- Certified
- Eco-Sustainable
- Simple application
- Cement-free
- For all types of masonry
- Encourages drying of masonry
- Resistant to soluble salts
- Compatible with all types of mineral finishing products

Mape-Antique is the ideal product line for eco-sustainable **restructuring**, **renovation**, **dehumidifying** and **rendering** work on both new and existing masonry and, because they are lime-based products with no cement, they are also suitable for use on buildings of historical and artistic importance. The **Mape-Antique** line includes super-fluid, volumetrically-stable, fillerized injectable slurry, binders to be mixed with assorted aggregates to make mortar on site, macro-porous **dehumidifying rendering mortar**, **transpirant** and **structural rendering mortar,** masonry mortar and skimming mortar in various textures and colours.
Rendering mortars:

Mape-Antique MC
Dehumidifying render

Mape-Antique MC Macchina
Dehumidifying render

Mape-Antique Intonaco NHL
Transpirant render

Mape-Antique Strutturale NHL
Structural render

Mape-Antique Line

MAPE-ANTIQUE RINZAFFO

TRANSPIRANT SCRATCH-COAT MORTAR



MAPE-ANTIQUE MC

MACROPOROUS DEHUMIDIFYING RENDER



MAPE-ANTIQUE INTONACO NHL

TRASPIRANT RENDER



Complete system for renovating existing masonry damaged by rising damp and laying of natural stone

1. Screed
   Topcem Pronto
2. Adhesive
   Ultralite S1 Quick
3. Natural stone
4. Grout
   Ultracolor Plus
5. Brick wall
6. Scracht-coat mortar
   Mape-Antique Rinzaffo
7. Dehumidifying render
   Mape-Antique MC
8. Transpirant render
   Mape-Antique Intonaco NHL
9. Fine-texture skimming mortar
   Mape-Antique FC Civile
10. Silicate primer
    Silexcolor Primer
11. Highly transpirant silicate paint
    Silexcolor Pittura
12. Mortar for masonry and pointing
    Mape-Antique Allettamento
13. Natural finish stone wall

MAPE-ANTIQUE STRUTTURALE NHL

TRANSPIRANT STRUCTURAL RENDER



MAPE-ANTIQUE FC CIVILE

FINE-TEXTURE SKIMMING MORTAR



Complete system for making “reinforced” mortar for consolidating and renovating weak walls

1. Substrate
   Stone wall
2. Render + reinforcement mesh
   Mape-Antique Strutturale NHL + ***Mapenet EM 40***
3. Chemical anchor
   Mapefix PE Wall
4. Glass fibre mesh
   Mapenet EM Connector
5. Render
   Mape-Antique Strutturale NHL
6. Fine-texture skimming mortar
   Mape-Antique FC Civile
7. Siloxane primer
   Silancolor Primer
8. Siloxane paint
   Silancolor Pittura

Mape-Antique MC

DEHUMIDIFYING RENDER

Macroporous, salt-resistant dehumidifying render, based on lime and Eco-Pozzolan, for restoring old masonry, including on buildings of historical interest

WHERE TO USE

- Internal and/or external macroporous dehumidifying render for existing masonry with capillary rising damp;
- macroporous dehumidifying render on existing internal and/or external stone, brick, tuff or mixed masonry with saline efflorescence;
- dehumidifying render for masonry in lagoon areas or close to the sea;
- new dehumidifying render or repairing old lime-based render on stone, brick, tuff and mixed masonry, including on buildings of historical and artistic interest and listed buildings;
- touching-up and plumbing facing walls with gaps and/or uneven surfaces;
- pointing between layers of stone, brick and tuff on natural finish masonry.

Technical Data

Product and application information	
Colour::	**white**
Maximum size of aggregate (EN 1015-1)):	**2,5 mm**
Bulk density of wet mortar (EN 1015-6):	**1.700 kg/m³**
Porosity of wet mortar (EN 1015-7):	**> 20%**
Minimum applicable thickness:	**20 mm**
Maximum applicable thickness per layer:	**30 mm**
Performance characteristics	
Compressive strength after 28 days (EN 1015-11):	**Category CS II**
Adhesion to substrate (brickwork) (EN 1015-12):	**≥ 0,4 N/mm²** **Failure mode (FB) = B**
Capillary action water absorption (EN 1015-18):	**3,5 kg/m²**
Coefficient of permeability to water vapour (EN 1015-19):	**≤ 10 μ**
Thermal conductivity ($\lambda_{10,dry}$) (EN 1745):	**0,61 W/m • K** **(*P* = 50%)**
Reaction to fire (EN 13501-1):	**Class A1**
Resistance to sulphates:	**high**
Saline efflorescence (after semi-immersion in water):	**absent**
Packaging:	**25 Kg bags**
Consumption:	**15 kg/m² (per cm of thickness)**

Mape-Antique MC Macchina

DEHUMIDIFYING RENDER

Macroporous, salt-resistant dehumidifying render, based on lime and Eco-Pozzolan, for restoring old masonry, including on buildings of historical interest

WHERE TO USE

- Internal and/or external macroporous dehumidifying render for existing masonry with capillary rising damp;
- macroporous dehumidifying render on existing internal and/or external stone, brick, tuff or mixed masonry with saline efflorescence;
- dehumidifying render for masonry in lagoon areas or close to the sea;
- new dehumidifying render or repairing old lime-based render on stone, brick, tuff and mixed masonry, including on buildings of historical and artistic interest and listed buildings.

Technical Data

Product and application information	
Colour:	**white**
Maximum size of aggregate (EN 1015-1):	**2,5 mm**
Bulk density of wet mortar (EN 1015-6):	**1.700 kg/m³**
Porosity of wet mortar (EN 1015-7):	**> 20%**
Minimum applicable thickness:	**20 mm**
Maximum applicable thickness per layer:	**30 mm**
Performance characteristics	
Compressive strength after 28 days (EN 1015-11):	**Category CS II**
Adhesion to substrate (brickwork) (EN 1015-12):	**≥ 0,4 N/mm²** **Failure mode (FB) = B**
Capillary action water absorption (EN 1015-18):	**3,5 kg/m²**
Coefficient of permeability to water vapour (EN 1015-19):	**≤ 10 μ**
Thermal conductivity ($\lambda_{10,dry}$) (EN 1745):	**0,61 W/m • K** **(*P* = 50%)**
Reaction to fire (EN 13501-1):	**Class A1**
Resistance to sulphates:	**high**
Saline efflorescence (after semi-immersion in water):	**absent**
Packaging:	**25 Kg bags**
Consumption:	**16 kg/m² (per cm of thickness)**

Mape-Antique Intonaco NHL

TRANSPIRANT RENDER

Transpirant base render, based on natural hydraulic lime and Eco-Pozzolan, for application on existing masonry, including that of historical interest, and on new construction

WHERE TO USE

- New internal and/or external transpirant render applied by trowel or spray on stone, brick, tuff and mixed masonry without capillary rising damp;
- new render or repairing existing lime-based and/or weak render on stone, brick, tuff and mixed masonry, including on buildings of historical and artistic interest and listed buildings;
- touching-up and plumbing facing walls with gaps and/or uneven surfaces;
- pointing between layers of stone, brick and tuff on natural finish masonry.

Technical Data

Product and application information	
Colour:	**light brown**
Maximum size of aggregate (EN 1015-1):	**1,4 mm**
Bulk density of wet mortar (EN 1015-6):	**1.750 kg/m³**
Porosity of wet mortar (EN 1015-7):	**20%**
Minimum applicable thickness:	**10 mm**
Maximum applicable thickness per layer:	**30 mm**
Performance characteristics	
Compressive strength after 28 days (EN 1015-11):	**Category CS II**
Adhesion to substrate (brickwork) (EN 1015-12):	**≥ 0,3 N/mm²** **Failure mode (FB) = B**
Capillary action water absorption (EN 1015-18):	**Category W 0**
Coefficient of permeability to water vapour (EN 1015-19):	**≤ 12 μ**
Thermal conductivity ($\lambda_{10,dry}$) (EN 1745):	**0,57 W/m • K** **(*P* = 50%)**
Reaction to fire (EN 13501-1):	**Class A1**
Packaging:	**25 Kg bags**
Consumption:	**14,5 kg/m² (per cm of thickness)**

EN 998-1

EN 998-1
GP-CS II
RENDERING AND PLASTERING MORTAR

TROWEL or SPRAY-applied

Mape-Antique Strutturale NHL

STRUCTURAL RENDER

High-performance mortar for transpirant render and masonry work, based on natural hydraulic lime and Eco-Pozzolan, particularly suitable for making "reinforced" and installation mortar

WHERE TO USE

- New internal and/or external high-performance transpirant render for stone, brick, tuff and mixed masonry without capillary rising damp;
- new render or repairing existing render on masonry, including on buildings of historical and artistic interest and listed buildings;
- new mortar "reinforced" with composite or electro-welded galvanized mesh on weak masonry without capillary rising damp;
- "reinforced capping" with composite or metal strengthening mesh on the outer face of vaulted roofs.

GREEN INNOVATION

Technical Data

Product and application information	
Colour:	**light brown**
Maximum size of aggregate (EN 1015-1):	**2,5 mm**
Bulk density of wet mortar (EN 1015-6):	**2000 kg/m³**
Porosity of wet mortar (EN 1015-7):	**7%**
Minimum applicable thickness:	**10 mm**
Maximum applicable thickness per layer:	**30 mm**
Performance characteristics	
Compressive strength after 28 days (EN 1015-11):	**> 15 N/mm²** **Category CS IV - Class M 15**
Adhesion to substrate (brickwork) (EN 1015-12):	**≥ 0,7 N/mm²** **Failure mode (FB) = A/C**
Initial shear strength (f_{vok}):	**0,15 N/mm²**
Chloride content:	**< 0,05%**
Capillary action water absorption (EN 1015-18):	**< 0,2 kg/(m² • min^{0,5})** **Category W 2**
Coefficient of permeability to water vapour (EN 1015-19):	**60 µ**
Thermal conductivity (λ10,dry) (EN 1745):	**1 W/m • K** **(*P* = 50%)**
Reaction to fire (EN 13501-1):	**Class E**
Packaging:	**25 Kg bags**
Consumption:	**17 kg/m² (per cm of thickness)**

TROWEL or **SPRAY**-applied

GEV-EMICODE EC 1 PLUS very low emission

CE EN 998-1

EN 998-1 GP-CS IV MAPEI RENDERING AND PLASTERING MORTAR

CE EN 998-2

EN 998-2 G-M15 MAPEI MASONRY MORTAR

MAPEI

C.P. MK694530 (GB) 3/15

Technical documentation

From the technical area menu you can view the technical documentation divided per product lines and type of document.

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