

Dehumidifying Renders

MAPE-ANTIQUE and POROMAP



For buildings of
historical interest

Mape-Antique

CEMENT-FREE, LIME-BASED PRODUCTS FOR RENOVATING
MASONRY BUILDINGS

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.



Advantages:

- LIME based
- CEMENT-FREE
- Resistant to soluble salts
- Encourages drying of masonry
- For existing masonry, even important ones



For recent buildings

PoroMap

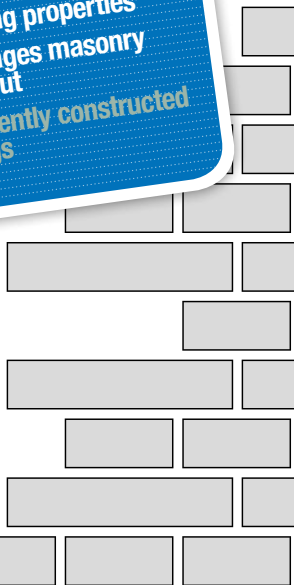
HYDRAULIC POZZOLANIC-REACTION BINDER BASED PRODUCTS FOR RENOVATION MASONRY, INCLUDING RECENTLY CONSTRUCTED ONES

The products from the **PoroMap** line are the ideal solution for renovating brick, stone and tuff walls, including those built recently, that have been damaged or deteriorated by capillary rising damp or the crumbling action of sulphate, chloride and nitrate salts. The line is made up of products that may be applied by trowel or with a rendering machine, as well as a fine-textured product.



Advantages:

- **HYDRAULIC POZZOLANIC-REACTION BINDER based products**
- **Resistant to soluble salts**
- **Insulating properties to dry out**
- **For recently constructed buildings**



Dehumidifying renders MaPe-Antique range



TROWEL or SPRAY-applied



MAPE-ANTIQUE RINZAFFO

TRANSPIRANT SCRATCH-COAT MORTAR

Salt-resistant, transpirant scratch-coat mortar, based on lime and Eco-Pozzolan, used as first layer when applying de-humidifying, transpirant renders.

Thickness to apply: 5 mm

Consumption: 7.5 kg/m² (for 5 mm thickness)

TROWEL-applied



MAPE-ANTIQUE MC

MACROPOROUS DEHUMIDIFYING RENDER

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

Min. thickness to apply: 20 mm

Consumption: 15 kg/m² (for cm of thickness)

SPRAY-applied



MAPE-ANTIQUE MC MACCHINA

DEHUMIDIFYING RENDER

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

Min. thickness to apply: 20 mm

Consumption: 15 kg/m² (for cm of thickness)



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

- | | | | |
|----------|--|----------|---|
| 1 | Brick wall | 5 | Fine-texture skimming mortar
<i>Mape-Antique FC Civile</i> |
| 2 | Scratch-coat mortar
<i>Mape-Antique Rinzafo</i> | 6 | Silicate primer
<i>Silexcolor Primer</i> |
| 3 | Dehumidifying render
<i>Mape-Antique MC</i> | 7 | Highly transpirant
silicate paint
<i>Silexcolor Paint</i> |
| 4 | Transpirant render
<i>Mape-Antique
Intonaco NHL</i> | | |

Mape-Antique Rinzafo



TRANSPIRANT SCRATCH-COAT MORTAR

Salt-resistant, transpirant scratch-coat mortar, based on lime and Eco-Pozzolan, used as first layer when applying de-humidifying, transpirant and “structural” renders

WHERE TO USE

- Internal and/or external macro-porous, de-humidifying render on walls with capillary rising damp;
- de-humidifying render on stone, brick, tuff or mixed masonry with saline efflorescence;
- de-humidifying render on masonry in lagoon areas or close to the sea;
- new de-humidifying render or reconstructing old lime-based render on stone, brick, tuff and mixed masonry, including on buildings of historical and artistic interest with a conservation order or under the protection of the National Trust;
- new transpirant and “structural” render on particularly difficult masonry, such as in stone or mixed material, or on masonry which is porous or mechanically weak.

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):	1,850 kg/m ³
Porosity of wet mortar (EN 1015-7):	6%
Minimum applicable thickness:	5 mm

Performance characteristics

Compressive strength after 28 days (EN 1015-11):	> 10 N/mm ² (Category CS IV)
Adhesion to substrate (brickwork) (EN 1015-12):	0.7 N/mm ² Failure mode (FB) = B
Capillary action water absorption (EN 1015-18):	Category W 1
Coefficient of permeability to water vapour (EN 1015-19):	≤ 30 μ
Thermal conductivity ($\lambda_{10,dry}$) (EN 1745):	0.73 W/m · K (P = 50%)
Reaction to fire (EN 13501-1):	Class E
Resistance to sulphates:	high
Saline efflorescence (after semi-immersion in water):	missing
Packaging:	25 kg bags
Consumption:	7.5 kg/m ² (per cm of thickness)



Mape-Antique MC



DEHUMIDIFYING RENDER

Macroporous, salt-resistant de-humidifying 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, under the protection of the National Trust;
- 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/m ³
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/mm ² Failure mode (FB) = B
Capillary action water absorption (EN 1015-18):	3.5 kg/m ²
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/m ² (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, under the protection of the National Trust.

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/m ³
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/mm ² Failure mode (FB) = B
Capillary action water absorption (EN 1015-18):	3.5 kg/m ²
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/m ² (per cm of thickness)



Dehumidifying renders PoroMap range



TROWEL-applied



POROMAP RINZAFFO TRANSPIRANT SCRATCH-COAT MORTAR

Salt-resistant, transpirant scratch-coat mortar, based on hydraulic pozzolanic-reaction binder, to be used by hand as first layer when applying dehumidifying renders.

Min. thickness to apply: 5 mm

Consumption: 7.5-8 kg/m² (for 5 mm thickness)

TROWEL-applied



POROMAP INTONACO DEHUMIDIFYING AND INSULATING RENDER

Salt-resistant, macroporous dehumidifying and insulating render, based on hydraulic pozzolanic-reaction binder, to be used by hand for renovating masonries by the presence of rising damp and soluble salts.

Min. thickness to apply: 20 mm

Consumption: 10-11.5 kg/m² (for cm of thickness)

SPRAY-applied



POROMAP RINZAFFO MACCHINA TRANSPIRANT SCRATCH-COAT MORTAR

Salt-resistant, transpirant scratch-coat mortar, based on hydraulic pozzolanic-reaction binder, to be used by rendering machine as first layer when applying dehumidifying renders.

Min. thickness to apply: 5 mm

Consumption: 7.5-8 kg/m² (for 5 mm thickness)

SPRAY-applied



POROMAP INTONACO MACCHINA DEHUMIDIFYING AND INSULATING RENDER

Salt-resistant, macroporous dehumidifying and insulating render, based on hydraulic pozzolanic-reaction binder, to be used by rendering machine for renovating masonries deteriorated by the presence of rising damp and soluble salts.

Min. thickness to apply: 20 mm

Consumption: 11.5-13 kg/m² (for cm of thickness)



Renovating existing masonry with rising damp

- 1 Existing masonry
- 2 Scratch-coat mortar
PoroMap Rinzafo
- 3 Dehumidifying render
PoroMap Intonaco
- 4 Siloxane undercoat
Silancolor Base Coat
- 5 Coloured and low thickness siloxane coating product
Silancolor Tonachino

PoroMap Rinzafo



TRANSPIRANT SCRATCH-COAT MORTAR

Salt-resistant, transpirant scratch-coat mortar, based on hydraulic pozzolanic-reaction binder, to be used by hand as first layer when applying dehumidifying renders

WHERE TO USE

- Internal and/or external macroporous, dehumidifying and insulating render on stone, brick, tuff and mixed masonry, including recently constructed buildings, with capillary rising damp and saline efflorescence;
- dehumidifying and insulating render on stone masonry (such as limestone) and/or particularly porous, absorbent brick masonry and in general wherever there is saline efflorescence;
- dehumidifying and insulating render on masonry in lagoon areas or close to the sea.

Technical Data

Product and application information

Colour:	light grey
Maximum size of aggregate (EN 1015-1):	2.5 mm
Bulk density of wet mortar (EN 1015-6):	1,800 kg/m ³
Porosity of wet mortar (EN 1015-7):	> 20%
Thickness to be applied:	5 mm

Performance characteristics

Compressive strength after 28 days (EN 1015-11):	≥ 8 N/mm ² (Category CS IV)
Adhesion to substrate (brickwork) (EN 1015-12):	≥ 0.5 N/mm ² Failure mode (FB) = B
Capillary action water absorption (EN 1015-18):	Category W 1
Coefficient of permeability to water vapour (EN 1015-19):	< 20 μ
Thermal conductivity ($\lambda_{10, dry}$) (EN 1745):	0.71 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:	7.5-8 kg/m ² (for a 5 mm thick layer)



PoroMap Intonaco



MACROPOROUS DEHUMIDIFYING AND INSULATING RENDER

Salt-resistant, macroporous dehumidifying and insulating render, based on hydraulic pozzolanic-reaction binder, to be used by hand for renovating masonries by the presence of rising damp and soluble salts

WHERE TO USE

- Internal and/or external macroporous, dehumidifying and insulating render on stone, brick, tuff and mixed masonry, including recently constructed buildings, with capillary rising damp and saline efflorescence;
- dehumidifying and insulating render on stone masonry (such as limestone) and/or particularly porous, absorbent brick masonry, and in general wherever there is saline efflorescence;
- dehumidifying and insulating render on structures in lagoon areas or close to the sea;
- repairing damaged render on buildings built using low performance mortar;
- pointing between stone, brick and tuff elements on natural finish masonry.

Technical Data

Product and application information

Colour:	light grey
Maximum size of aggregate (EN 1015-1):	1 mm
Bulk density of wet mortar (EN 1015-6):	1,300 kg/m ³
Porosity of wet mortar (EN 1015-7):	> 25%
Minimum applicable thickness:	20 mm
Maximum applicable thickness per layer:	30 mm

Performance characteristics

Compressive strength after 28 days (EN 1015-11):	2.5 N/mm ² (Category CS II)
Adhesion to substrate (brickwork) (EN 1015-12):	≥ 0.4 N/mm ² Failure mode (FB) = B
Capillary action water absorption (EN 1015-18):	2.5 kg/m ²
Coefficient of permeability to water vapour (EN 1015-19):	≤ 10 μ
Thermal conductivity ($\lambda_{10,dry}$) (EN 1745):	0.34 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:	20 kg bags
Consumption:	10-11.5 kg/m ² (per cm of thickness)



PoroMap Rinzafo Macchina



TRANSPIRANT SCRATCH-COAT MORTAR

Salt-resistant, transpirant scratch-coat mortar, based on hydraulic pozzolanic-reaction binder, to be used by rendering machine as first layer when applying dehumidifying renders

WHERE TO USE

- Internal and/or external macroporous, dehumidifying and insulating render on stone, brick, tuff and mixed masonry, including recently constructed buildings, with capillary rising damp and saline efflorescence;
- dehumidifying and insulating render on stone masonry (such as limestone) and/or particularly porous, absorbent brick masonry and in general wherever there is saline efflorescence;
- dehumidifying and insulating render on masonry in lagoon areas or close to the sea.

Technical Data

Product and application information

Colour:	light grey
Maximum size of aggregate (EN 1015-1):	2.5 mm
Bulk density of wet mortar (EN 1015-6):	1,800 kg/m ³
Porosity of wet mortar (EN 1015-7):	> 20%
Thickness to be applied:	5 mm

Performance characteristics

Compressive strength after 28 days (EN 1015-11):	≥ 8 N/mm ² (Category CS IV)
Adhesion to substrate (brickwork) (EN 1015-12):	≥ 0.5 N/mm ² Failure mode (FB) = B
Capillary action water absorption (EN 1015-18):	Category W1
Coefficient of permeability to water vapour (EN 1015-19):	< 20 μ
Thermal conductivity ($\lambda_{10, dry}$) (EN 1745):	0.57 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:	7.5-8 kg/m ² (for a 5 mm thick layer)



PoroMap Intonaco Macchina



MACROPOROUS DEHUMIDIFYING AND INSULATING RENDER

Salt-resistant, macroporous dehumidifying and insulating render, based on hydraulic pozzolanic-reaction binder, to be used by rendering machine for renovating masonries deteriorated by the presence of rising damp and soluble salts

WHERE TO USE

- Internal and/or external macroporous, dehumidifying and insulating render on stone, brick, tuff and mixed masonry, including recently constructed buildings, with capillary rising damp and saline efflorescence;
- dehumidifying and insulating render on stone masonry (such as limestone) and/or particularly porous, absorbent brick masonry, and in general wherever there is saline efflorescence;
- dehumidifying and insulating render on structures in lagoon areas or close to the sea;
- repairing damaged render on buildings built using low performance mortar;
- pointing between stone, brick and tuff elements on natural-finish masonry.

Technical Data	
Product and application information	
Colour:	light grey
Maximum size of aggregate (EN 1015-1):	1 mm
Bulk density of wet mortar (EN 1015-6):	1,200 kg/m ³
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):	2.5 N/mm ² (Category CS II)
Adhesion to substrate (brickwork) (EN 1015-12):	≥ 0.4 N/mm ² Failure mode (FB) = B
Capillary action water absorption (EN 1015-18):	2.5 kg/m ²
Coefficient of permeability to water vapour (EN 1015-19):	≤ 10 μ
Thermal conductivity ($\lambda_{10,dry}$) (EN 1745):	0.30 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:	20 kg bags
Consumption:	11.5-13 kg/m ² (per cm of thickness)



Silancolor Range



SILOXANE RESIN-BASED PRIMERS, PAINTS AND TEXTURED COATINGS

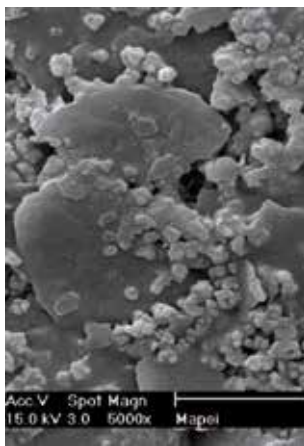
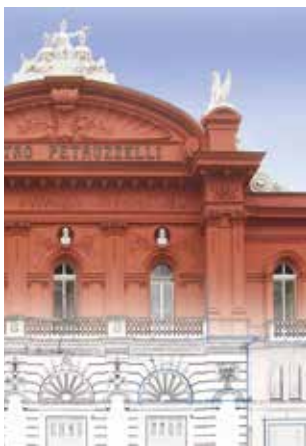
Products created for decorating new or painted internal and external surfaces, where substrates with an attractive finish, very high water-repellence and excellent transpirant capacity are required

The advantages of choosing Silancolor:

- excellent resistance to alkalis and aging;
- high protection and durability over the years;
- perfect synergy with de-humidifying systems such as **Mape-Antique** or **PoroMap**;
- very low dirt retention;
- CE UNI EN 15824 certification (for Tonachini and Graffiati);
- easy application;
- a wide range of colors available created using the **ColorMap** automatic coloring system.



Silexcolor Range



POTASSIUM SILICATE-BASED PRIMERS, PAINTS AND TEXTURED COATINGS

Products created for decorating new or painted internal and external surfaces, where protection against atmospheric agents is required (rain, frost), strong chemical adhesion and transpiration capacity

The advantages of choosing Silexcolor:

- perfect adhesion to substrates;
- high protection and durability over the years;
- excellent transpiration capacity;
- perfect synergy with de-humidifying systems such as **Mape-Antique** or **PoroMap**;
- unaffected by the crumbling action of acid rain;
- CE UNI EN 15824 certification (for Tonachini and Graffiati);
- easy application;
- a wide range of colors available, created using the **ColorMap** automatic coloring system.





● **Technical documentation**

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

HEADQUARTERS

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