MAPE-ANTIQUE ALLETTAMENTO

Salt-resistant, cement-free masonry mortar based on lime and recycled materials, for bedding and pointing exposed masonry

BENEFITS AND FEATURES

- High resistance to salts
- Ideal for all types of masonry
- Cement-free
- Very high breathability
- For historic buildings
- Contains recycled material (CAM requirements)

CO_2 FULLY OFFSET PRODUCTS

Mape-Antique Allettamento is part of the CO_2 Fully Offset in the Entire Life Cycle line of products.CO_2 emissions measured throughout the life cycle of products from the Zero line in 2026 using Life Cycle Assessment (LCA) methodology, verified and certified with EPDs, have been offset through the acquisition of certified carbon credits in support of forestry protection projects. A commitment to the planet, to people and to biodiversity. For more details on how emissions are calculated and on climate mitigation projects financed through certified carbon credits, visit the webpage zero.mapei.com.

WHERE TO USE

Breathable pointing and bedding of exposed stone, brick, tuff and mixed load-bearing and partition masonry, suitable for both interior and exterior use, including those of historical and architectural interest.

Building new load-bearing or partition walls and rebuilding old walls.

Some application examples

- Building new masonry or restoring existing masonry, including those in buildings under national heritage protection and listed buildings.
- Pointing exposed stone, brick and tuff masonry.
- Creation of bedding joints, or reinforced repointing of joints using steel or composite bars (such as **Maperod**) or carbon fiber ropes (such as **Maperope**).
- Building facing walls using masonry mortar with guaranteed-performance characteristics.

- Patching and plumbing facing walls with gaps and/or uneven surfaces.

TECHNICAL CHARACTERISTICS

Mape-Antique Allettamento is a cement-free, ready-mixed, masonry mortar in powder form made of natural hydraulic lime, Eco-Pozzolan, natural sand, special additives and microfibers according to a formula developed in the MAPEI research laboratories.

According to EN 998-2 standards, the product is classified as G: "*Guaranteed performance, general-purpose masonry mortar for external use on elements with structural requirements*", class M 5, reaching a compressive strength of > 5 N/mm². When mixed with water in a cement mixer, **Mape-Antique Allettamento** forms a salt-resistant masonry mortar with a plastic-thixotropic consistency and good trowelability. Thanks to its formula, **Mape-Antique Allettamento** provides extremely low dry shrinkage, significantly reducing the risk of cracks. Furthermore, its properties make the product resistant to various chemical and physical attacks, such as those caused by soluble salts, freeze-thaw cycles, leaching by rainwater, and alkali-aggregate reactions.

The typical values are shown in the Technical Data table (see Technical information for application and Final Performance sections), which refer to the main characteristics of **Mape-Antique Allettamento** at both the fresh and hardened status.

RECOMMENDATIONS

- Due to the nature of the raw materials, uniformity of colour between different batches cannot be guaranteed. It is recommended to use products from the same production batch to complete each job.
- Apply **Mape-Antique Allettamento** in layers at least 5 mm thick.
- Do not use **Mape-Antique Allettamento** as a pouring mortar for formwork; use **Mape-Antique Colabile** instead.
- Do not use **Mape-Antique Allettamento** as consolidating slurry for injections (use **Mape-Antique I**, **Mape-Antique I-15** or **Mape-Antique F21**).
- Do not use **Mape-Antique Allettamento** for "reinforced" render (use **Mape-Antique NHL ECO Strutturale** or **Mape-Antique NHL ECO Strutturale 10**).
- Do not add any admixture, cement or other binders (lime or gypsum) to **Mape-Antique Allettamento**.
- Do not use finishing and protective products that could significantly alter the breathability of **Mape-Antique Allettamento**. Apply water-repellent treatments such as **Antipluviol S** or **Antipluviol W**.
- Do not apply **Mape-Antique Allettamento** if the temperature is lower than +5°C.

APPLICATION PROCEDURE

TECHNICAL INFORMATION FOR THE APPLICATION	
Composition of the mix:	100 kg of **Mape-Antique Allettamento** 18-20 kg of water
Minimum applicable thickness:	5 mm
Maximum applicable thickness per coat:	30 mm
Recommended application temperature:	Surrounding and substrate temperature from +5°C to +35°C
Pot life of the mix:	approx. 1 h

Preparation of the substrate

Remove, using hand or power tools, all traces of loose or crumbling material, dust, mould and any other substance or material that could affect the bond **Mape-Antique Allettamento** until the substrate is clean, sound, and compact. Remove any weak installation mortar from between the masonry blocks.

Clean the masonry with low-pressure water jets to remove any efflorescence or soluble salts present on the surface. Repeat this operation several times if necessary.

If weak substrates need to be consolidated, apply several coats of **Consolidante 8020** or **Primer 3296** (relevant Technical Data Sheets).

Before applying **Mape-Antique Allettamento**, the substrate must be saturated to prevent it from absorbing water from the mortar, which could affect the mortar's final performance. Excess water must be allowed to evaporate so that the masonry is saturated and the surface is dry (s.s.d. condition). Compressed air can be used to speed up this process.

If the substrate cannot be saturated with water, we recommend that it is at least wetted to allow the mortar to adhere correctly to **Mape-Antique Allettamento**.

Preparation of the product

Prepare **Mape-Antique Allettamento** in a drum concrete mixer. Small amounts of product may be prepared using a low-speed drill with a mixing attachment. Hand mixing is not recommended.

After pouring the minimum amount of clean water required into the mixer (4.5 litres for every 25 kg bag of **Mape-Antique Allettamento**), slowly add the powdered mortar in a continuous flow. Mix for approximately 3 minutes and check that the blend is well mixed, even and lump-free, and that any lumps of powder that have stuck to the sides or bottom of the mixer are removed.

Add more water if necessary, up to a maximum of 5 litres per bag (including the water added initially).

Then mix **Mape-Antique Allettamento** again for an additional 2–3 minutes, depending on the efficiency of the mixer, to obtain a uniform, plastic, and thixotropic mixture.

The instructions for the preparation of the mortar to be used for the creation of concrete samples for laboratory tests are reported in the TECHNICAL DATA table.

Application of the product

Mape-Antique Allettamento must be applied by trowel. If the mortar is used to point exposed masonry, apply the mortar between the blocks with a slight pressure to help it bond well. Any excess mortar must be removed immediately after application, including from the masonry blocks. If necessary, clean the joints with a dampened sponge or a suitable broomcorn brush. When building new exposed masonry, create a bedding layer of mortar, then lay the bricks or blocks by pressing them down slightly to ensure they are correctly positioned. Remove excess mortar with a trowel.

Whenever **Mape-Antique Allettamento** is used for "reinforced" repointing, in conjunction with steel or composite bars (such as **Maperod**) or carbon fiber ropes (such as **Maperope**), spread the mortar between the building elements, exerting light pressure in order to promote adhesion to the substrate. Insert **Maperod** or **Maperope** into the still fresh mortar joint to an appropriate depth, so that the reinforcing element is fully embedded in the mortar.

Complete the joint pointing with a second layer of mortar, making sure to cover fully **Maperod** or **Maperope** (see the relevant Product Data Sheets for more details)

Even though **Mape-Antique Allettamento** contains products which contrast the formation of micro-cracks, it is good practice to apply the mortar when the wall is not exposed to direct sunlight and/or wind. In situations such as hot and/or particularly windy weather, take special care when curing the mortar, especially during the first 36–48 hours. Mist the surface with water or use other methods to prevent the mixing water from evaporating too quickly.

Removing the excess mortar

Brushing the mortar joints

Finishing the mortar joints

Pointing the joint in a stone wall

Finishing the surface with a broomcorn brush

Finishing the surface with a sponge

FINISHING COAT

If a breathable and water-repellent treatment is required, especially for masonry particularly exposed to rain, wait until the mortar has fully cured and then apply **Antipluviol S** or **Antipluviol W**, siloxane-based impregnating products, in solvent-based or water-dispersion form, respectively.

CLEANING

Remove mortar from tools with water before it hardens. Once hardened, cleaning is much more difficult and must be carried out mechanically.

PACKAGING

25 kg bags.

COLOUR

Mape-Antique Allettamento is available in the following colors:

Mape-Antique Allettamento	
TUFF	
CREAM	
IVORY	

GREY	

CONSUMPTION

16.5 kg/m² (per cm of thickness).

STORAGE

12 months in a dry, covered area in its original, unopened packaging.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.com.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Definition according to EN 998-2:	G
Consistency:	powder
Colour:	Available in 4 colors - Tuff, Cream, Ivory, Grey
Maximum size of aggregate:	1.5 mm
Chloride ion content according to EN 1015-17: (minimum requirements according to EN 998-2 ≤ 0.10%)	< 0.05%

TECHNICAL INFORMATION FOR PRODUCT PREPARATION	
Mixing ratio:	100 parts by weight of **Mape-Antique Allettamento** with 19% water
Preparation of mix:	Mix the product in compliance with the standard EN 1015-2

CHARACTERISTICS OF FRESH MIX (at +20°C - 50% R.H.)	
Consistency of mix:	thixotropic
Density of the mix:	1950 kg/m³
Porosity of fresh mix (EN 1015-7):	6%

FINAL PERFORMANCE *According to the curing times defined in the test methods*	

Performance characteristic	Test method	Requirements according to EN 998-2 G – M5	Product performance
Compressive strength:	EN 1015-11	from class M1 (≥ 1 N/mm²) to class M d (d ≥ 25 N/mm²) or multiples of 5	**Class M 5**
Adhesion to the substrate:	EN 1015-12	not required	**≥ 0.5 MPa Fracture pattern (FP) = B**
Initial shear strength:	EN 998-2 Annex C	chart value	**0.15 N/mm²**
Water absorption due to capillary action:	EN 1015-18	Declared value	**< 0.30 kg/(m²-min$^{0.5}$)**
Water-vapour permeability coefficient (μ):	EN 1015-19	not required	**15/35**
Thermal conductivity ($\lambda_{10,dry}$):	EN 1745	chart value	**0.77 W/m-K (P = 50%)**
Reaction to fire:	EN 13501-1	Euroclass	**A1**
Sulfate resistance:	-	not required	**high**
Saline efflorescence: (after semi-immersion in water)	-	not required	**absent**

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application.
The values declared in the TECHNICAL DATA table (typical values) were obtained in compliance with test methods and curing cycles defined in the technical standards referenced therein. Therefore, please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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