

# Antiqua

## antico rinzaffo

**MINERAL MORTAR, FIBRE-REINFORCED, HIGH WORKABILITY, LOW WATER ABSORPTION, COMPENSATED SHRINKAGE, GUARANTEED FOR GROUTING, FILLING, CONSOLIDATING AND RAISING NATURAL STONE OR BRICK MASONRY. FOR INDOORS AND OUTDOORS.**



**TECHNICAL DATA SHEET - REV. 01/2022**

### DESCRIPTION

ANTIQUA "antico rinzaffo" is a fibre-reinforced mineral mortar consisting of hydraulic binders, selected mineral fillers and special additives that give it water-repellent and breathable properties. Mixed with water, it turns into a product of easy workability, high adhesive capacity, excellent thixotropy, resistant to atmospheric agents, which can be used on walls even in great thicknesses, without the risk of dripping and without undergoing any particular shrinkage during hardening.

**Complies with European Standard EN 998-1 for general purpose mortars for internal/external rendering (GP) - Compressive strength class I (CS I).**

**Conforms to European Standard EN 998-2 for general purpose masonry mortar (G) Class M 1.**

### FIELDS OF APPLICATION

ANTIQUA "antico rinzaffo" is used for sealing and grouting joints in natural stone, brick or exposed brickwork in the recovery and/or restoration of old buildings of historical and architectural interest and for the creation or restoration of weather-resistant coloured plasters. Thanks to its appearance and the different colours it comes on, similar to old historical mortars, ANTIQUA "antico rinzaffo" is also ideal for the reconstruction, rendering and elevation of partitions of non-structural fair-faced masonry in natural stone, tuff, solid brick, mixed masonry or brickwork, even in buildings of historical interest, perfectly reproducing their original aesthetic appearance.

### SUBSTRATE PREPARATION

When restoring old grouting, mechanically remove all loose, friable material and anything else that may affect the perfect adhesion of the grout to the substrate, until a clean, compact substrate is obtained. Then proceed to wash the masonry with low-pressure water in order to completely remove dust and debris produced during demolition. To remove old paint or to reclaim large, particularly degraded surfaces, dry or wet sandblasting, or washing with a high-pressure cleaner is recommended when necessary.

The new substrates must be clean and compact, with a sufficiently homogenous and continuous thickness for the rendering.

## APPLICATION

To prepare the mixture, pour a 25-kg bag of ANTIQUA "antico rinzafo" in a clean container with 4.5 litres of clean water and mix until smooth and free of lumps. Let the mixture rest for a few minutes, remixing quickly before use. This mixture remains workable for at least 3 hours at a temperature of +23°C.

For grouting or rendering, apply mortar with a trowel or triangular grout bag (for mechanical applications use a plastering machine with a suitably sized nozzle) directly into the cavities until they are completely filled, compressing with a suitable tool and avoiding the formation of internal voids. Do not apply mortar in thicknesses of more than three centimetres per layer. If it is necessary to apply a second coat of ANTIQUA "antico rinzafo" for greater thicknesses, carry out the operation before the previous one has finished setting. As soon as the mixture is sufficiently hardened (dry to the touch), remove excess product with trowel and finish with dry vegetable brush or soft broom. This operation makes it possible to obtain the desired degree of finish with the possibility of leaving the mortar either flush with the masonry or slightly recessed with respect to the stone or brick ashlar.

## YIELD

4 to 12 kg/m<sup>2</sup> depending on the width of the cavities.

## RECOMMENDATIONS

- ◆ Apply the product with temperatures between +5°C and +35°C. The ambient temperature affects the setting and drying time of the product, which may cause surface colour variations.
- ◆ Do not remix or add water to the product that has already started setting, as this would considerably reduce the mechanical strength.
- ◆ Do not add cement, lime or gypsum.
- ◆ Protect from rain and runoff or direct sunlight and frost, until the product has fully hardened.

## PACKAGING

ANTIQUA "antico rinzafo" is available in 25 kg polyethylene coated paper bags on 1500 kg pallets. Store the product in a dry place and in its original packaging, well closed. In these conditions its stability is of at least 12 months.

## SAFETY INSTRUCTIONS

The product contains cement which, in contact with body perspiration, produces an irritant alkaline and sensitising reaction for the skin. Use suitable clothing, gloves and protective glasses.

Refer to the respective Safety Data Sheet for more information about how to use the product safely.

## SPECIFICATIONS

Consolidation, restoration and plastering of natural stone or brick masonry with mineral mortar, fibre-reinforced, with high workability, low water absorption, compensated shrinkage, in compliance with Standard EN 998-1 for general purpose mortars for internal/external plastering of class CS I and Standard EN 998-2 for general purpose masonry mortars of class M 1, such as **ANTIQUA "antico rinzafo"** by COLMEF Srl, in the colour that best matches the colour of the masonry.

## TECHNICAL DATA

<b>Compliant with Standard:</b>	<b>EN 998-1 EN 998-2</b>
<b>Class according to EN 998-1:</b>	<b>GP-CS I</b>
<b>Class according to EN 998-2:</b>	<b>G-M 1</b>
Appearance:	powder
Colour:	ivory ochre grey
Volume mass EN 1015-10 (kg/m <sup>3</sup> ):	1259
Mixing ratio:	~ 4.5 litres of water for 25 kg of powder
pH value:	≥ 12
Maximum grain size (mm):	3
Maximum applicable thickness (cm):	3
Allowed application temperature:	from +5 °C to +35 °C

## FINAL PERFORMANCE according to EN 998-1 and EN 998-2

	<b>Requirements according to EN 998-1</b>	<b>Requirements according to EN 998-2</b>	<b>Results</b>	<b>Test method</b>
Compressive strength at 28 days (N/mm <sup>2</sup> ):	CS I (0.4 to 2.5) CS II (1.5 to 5.0) CS III (3.5 to 7.5) CS IV (≥ 6)	Mortar class as per table 1 of the standard	2.31 (Cl. CS I) (Class M 1)	EN 1015-11
Flexural strength (N/mm <sup>2</sup> ):	-	-	1,34	EN 1015-11
Adhesion to the substrate (N/mm <sup>2</sup> ):	declared value and failure mode	-	≥ 0,13 (FP) B	EN 1015-12
Initial shear strength (N/mm <sup>2</sup> ):	-	table value	0.15	EN 1052-3
Capillary water absorption (kg/m <sup>2</sup> min <sup>0.5</sup> ):	W <sub>c</sub> 0 (not specified) W <sub>c</sub> 1 (c ≤ 0.40) W <sub>c</sub> 2 (c ≤ 0.20)	declared value	W <sub>c</sub> 1 ≤ 0.35	EN 1015-18
Water vapour permeability coefficient (μ):	-	table value	5/20	EN 1015-19
Thermal conductivity (λ <sub>10,dry</sub> ) (W/mK):	-	-	0.43	EN 1745
Chloride content (%):	-	< 0.1	< 0.01	EN 1015-17

DATA READING AT +23 °C - R.H. 50% AND NO VENTILATION

The information in this bulletin is based on our best experience. We cannot be held liable for any product misuse. We therefore recommend anyone who intends to use this product to assess whether it is suitable for the intended application and to perform preliminary tests in any case. Always refer to the latest updated version of the technical data sheet available at [www.colmef.com](http://www.colmef.com).

**FOR MORE INFORMATION OR PARTICULAR USES, CONTACT THE COLMEF TECHNICAL SUPPORT DEPARTMENT.**

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