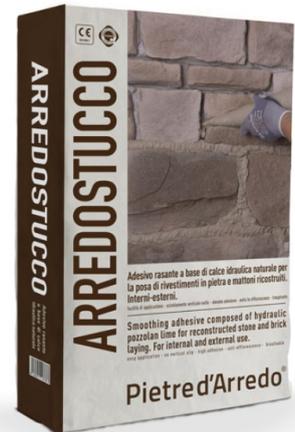


Arredostucco

COLOURED NATURAL MORTAR FOR HIGH TRANSPIRABILITY
GROUTING OF STONE OR RECONSTRUCTED BRICK
COVERINGS.



Technical Data Sheet – Rev. 04/2023

DESCRIPTION

ARREDOSTUCCO is a coloured natural mortar with resistance strength of CS IV and compensated shrinkage, composed of hydraulic binders, selected mineral fillers and special additives. When mixed with water it is transformed into a product of easy workability and high performance. After hardening it presents no cracks, excellent water repellency, high transpirability and excellent resistance to the elements.

Classification according to European standard EN 998-1 Class GP-CS IV W1.

FIELDS OF APPLICATION

Thanks to its composition and colours which are similar to old historical mortars, ARREDOSTUCCO is ideal for grouting joints between elements of Pietre d'Arredo reconstructed stone. In addition to the attractive appearance, it is distinguished by excellent resistance to the efflorescent formation and low water absorption that make it perfectly suitable for both indoor and outdoor applications. If used as it is, a fine finishing grout is obtained. A more coarse finish can be obtained by adding ARREDOLIGHT lightweight aggregate 0-3 mm (medium finish) or ARREDOLIGHT 3-6 mm (coarse finish). When grouting reconstructed stone, laid as coatings for thermal insulation systems (insulation coatings), always add the natural lightweight aggregate ARREDOLIGHT to ARREDOSTUCCO during the mixing phase, in order to decrease the specific weight, improve flexibility of the coating, facilitate greater transpirability and improve thermal inertia.

SUBSTRATE PREPARATION

Before proceeding with the grouting operation, remove any levelling adhesive residue used to lay the stones and make sure it is sufficiently hardened and dry. For better colour rendering, it is advisable to wait at least 24 hours after application (considering also the climatic conditions), before grouting.

MIXTURE PREPARATION

Mix a 25 kg bag of ARREDOSTUCCO with 4.5 litres of clean water in a cement mixer or in a suitable container with an electric mixer, until the mixture is perfectly homogeneous; let it stand for a few minutes, remixing briefly before use. The mixture is workable for approximately 45 minutes. Adjust the grout consistency so as to allow the joints to be filled while avoiding smudges on the surface of the stone. When grouting coatings laid as coatings for thermal insulation systems or for grouting with a more coarse finish, add a bag of about 7.5 litres of ARREDOLIGHT lightweight aggregate to the mixture with another 0.5-0.8 litres of water and mix until the two products are perfectly homogeneous.

APPLICATION

Apply the mixture with the specific plastic bag (piping bag) directly into the joints until they are completely filled, possibly with one application. Be careful not to leave gaps. Apply the mixture continuously, constantly topping up the bag, while still wet. Any pauses or continuations, when possible, must occur at the corners of the walls or apertures. Never use grouting that is still soft or wet on the surface of the stone. When the mortar loses its plasticity and it is sufficiently hardened (that is, when it leaves no dirt when touched), distribute it and shape it as you wish by compacting it in the

joints. Remove excess product with a suitable tool. To achieve smooth and compact joints, finish with a smooth metal tool; for joints where the grain size of the aggregate is visible, finish with a vegetable fibre brush or finish with a wooden stick once the mortar has sufficiently hardened. If the stone or bricks are smeared with grouting, clean immediately with a damp sponge that is thoroughly washed in clean water and well-wrung so as to prevent the formation of residue stains. The finished surface must be protected from rain or direct sunlight until it is fully hardened.

YIELD

From 8 to 12 kg/m² depending on the width of the joints.

RECOMMENDATIONS

Apply the product at a temperature between +5 °C and +35 °C. The room temperature affects the product's setting and drying time. Protect from rain and runoff or direct sunlight, until the product has fully hardened. For further details or special uses contact our Technical Department.

PACKAGING

ARREDOSTUCCO 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.

COLOUR



The above colours are purely indicative and can have slightly different shade than the original product for reasons of print.

TECHNICAL DATA

Compliant with standards:	EN 998-1
Class:	CS IV W 1
Type:	GP
Aspect:	powder
Colour:	perla avorio ocra grigio grigio scuro
Particle size (mm):	0-1,0
Health hazard L. 88/379 CEE:	Xi - irritant (see safety instructions)
Mixing ratio:	~ 4.5 litres of water for 25 kg of powder
pH value:	12-13
Setting start:	≥ 60 min.
Setting end:	≤ 6 h
Admitted application temperature:	from +5 °C to +35 °C

FINAL PERFORMANCE EN 998-1 Class GP-CS IV W 1

	Results	Rule
Density (kg/m ³):	1.707	EN 1015-10
Compressive strength (N/mm ²):	≥ 6.00 – CS IV	EN 1015-11
Bending strength (N/mm ²):	≥ 5.00	EN 1015-11
Adhesion (N/mm ²):	≥ 0.1 – FP: A	EN 1015-12
Capillarity water absorption (kg/m ² ·m ^{0.5}):	c ≤ 0.40 – W 1	EN1015-18
Vapour diffusion coefficient:	μ ≤ 43.9	EN 1015-19
Thermal conductivity (W/mK):	λ _(10,dry) = 0.761 (table value)	EN 1745
Reaction to fire:	Classe A 1	EN 13501-1

| Tests performed at 23°C-R.H. 50% in the absence of air ventilation |

SAFETY INSTRUCTIONS

Comply with all good hygiene practices in the work site. The mix with ARREDOSTUCCO contains cement that on contact with body perspiration produces an irritant alkaline reaction. Use protective glasses and gloves. Consult the Safety Data Sheet in order to use the product safely.

SPECIFICATIONS

Cladding laying in reconstructed stone, frost-proof, breathable, low-water absorption, *model* from the COLMEF Srl PIETRE D'ARREDO brand, for the cladding of internal and external walls. For laying, use a natural, anti-efflorescence hydraulic lime-based levelling adhesive with optimal performance and zero vertical slippage. classified as C2T in accordance with Standard EN 12004, such as **ARREDOCOLLA** from the COLMEF Srl PIETRE D'ARREDO brand. Point the stone using the appropriate breathable low-water absorption mortar, such as **ARREDOSTUCCO** from the COLMEF Srl PIETRE D'ARREDO brand, *in colour*

For the pointing of laid stone cladding on a thermal insulating system, always add a lightweight aggregate, such as **ARREDOLIGHT** from the COLMEF Srl PIETRE D'ARREDO brand, to the paste in order to increase breathability and reduce the weight on the wall.

FOR FURTHER DETAILS OR SPECIAL USES CONTACT THE **TECHNICAL DEPARTMENT**.

Tel. +39 075 923561

info@pietredarredo.com

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