ARMAMURO®

THE PLASTER THAT ARMS THE WALL

CEMENTITIOUS FIBER STRUCTURAL CONCRETE WITH HIGH MECHANICAL PROPERTIES FOR ANTI-SEISMIC REINFORCEMENT.

SILOS | PAPER BAG

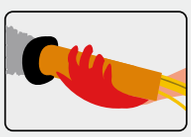
CE

UNI EN 998-1 | UNI EN 998-2 | STRUCTURAL | ANTI SEISMIC

USES
Especially suitable for plasters of masonry of all types stressed in shear by seismic events.

CARATTERISTICHE
Uniformity of performance, good workability excellent adhesion to the substrate, cost-effectiveness of the work.

DESTINAZIONE
Interior and exterior.



SUPPLY
25 kg bags
no. 64 sacks/hooded pallet
loose in silos
EUR or EPAL pallet type
debited and credited

SUBSTRATE PREPARATION
- Substrates must be solid, clean and free of substances that may compromise the workability and adherence of the product.
- Before applying the product, make sure that the existing mortar between the constituent elements of the masonry has been stripped.
- Moisten the surfaces a few hours before applying the first coat of plaster.
- In the case of perforated brick masonry, treat the substrate with: ESICAL LATTICE (see data sheet) to improve the adhesive and cohesive characteristics of the masonry plus ARMAMURO system.

APPLICATION
- Apply the product by hand or with a plastering machine.
- USE MIXING SCREW USED
- Check the correct dosage of mixing water by adjusting the relevant flow meter of the plastering machine.
- Before product pumping begins, pump a slurry of water and cement; in any case, the product should be consistent and plastic.
- When the product is semi-hardened, level the surfaces with aluminum straightedge, square off corners and edges.
- When cured, finish the plaster by civil smoothing with: ESIRAS 300, ESIRAS 600 or 600 EXTREME depending on the desired aesthetic effect; or leave it in this state for ceramic coating.

STORAGE
Store the product in the unopened package and protected from moisture for a period not exceeding 12 weeks.

ESINCALCE

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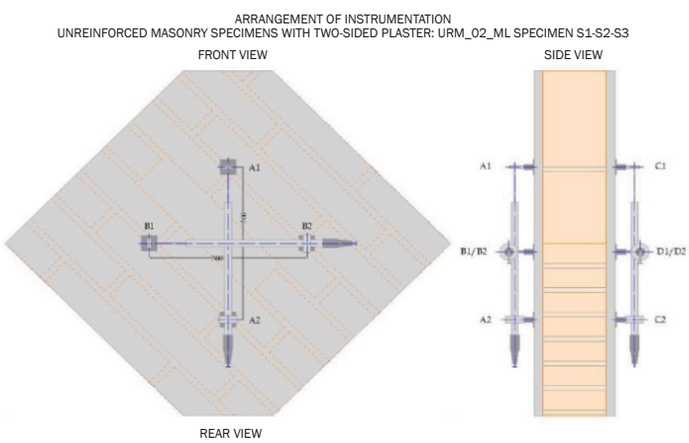
Results of the experimental research conducted at UNIVERSITÀ POLITECNICA DELLE MARCHE

TECHNICAL DATA

Class standard UNI EN 998/2	M20
Class standard UNI EN 998/1	GP-CS IV-W0
Maximum particle size UNI EN 1015-1	< 3 mm
Powder density	1680 kg/m³
Apparent bulk density just kneaded	1650 kg/m³
Hardened mass density	1700 kg/m³
Characteristic compressive strength (28 days) UNI EN 1015-11	23 N/mm²
Characteristic flexural strength (28 gg) UNI EN 1015-11	5,5 N/mm²
Initial shear strength* UNI EN 12615	1,09 (*) N/mm²
Indirect tensile strength UNI EN 12390-6	1,71 N/mm²
Elastic modulus in compression UNI EN 13412	12600 N/mm²
Reaction to fire EN ISO 1182-1716	EUROCLASS A1
Thermal conductivity UNI EN 1745	λ = 0,67 W/mK
Vapor permeability UNI EN 1015-19	μ = 15÷35
Consumption per cm of thickness	14 kg/m²

* For the evaluation of the shear strength of the masonry+armor system, one can make use of the verification calculation at www.esincalce.com on the page CALCOLATORE



APPLICATION FEATURES

Dough water by weight	18% ±
Dough life time	Approx. 1 hour at a temperature of 20°/25°C
Workability time	Approx. 20 minutes at a temperature of 20°/25°C
Mixing time in the plastering machine	Approx. 30 seconds maximum 1 minute
Plastering machine downtime	< 15 minutes
Minimum/maximum thicknesses per coat	1/1.5 cm
Color range	gray
Mixing times for laboratory tests Standard UNI EN 1015-2:2007*2)	45 seconds speed 1 including water insertion

WARNINGS

Product application temperatures between +5°C and +30°C. Do not apply on frozen or thawing substrates, or at high temperatures even in the following 24 hours.
Use the product by machine only at short distances from the mixing plant.

TOOLS

Concrete mixer, plastering machine, work trestles, scaffolding boards, shovel, mason buckets, trowel, aluminum rulers and fratazzi. Personal anti-injury equipment.

SAFETY

The concentrated substance may give an irritating effect on the skin. See safety data sheet.
For disposal of any waste, follow MITE Decree No. 278 of July 15, 2022 / Regulations (EoW) and related regulations. Cured product may be taken to recovery facilities for construction materials.
Dispose of in accordance with local regulations, including following the instructions on packaging disposal as outlined in Legislative Decree 116/2020.