



Family
Rinfor

Type
High-performance plasters and skim coats

Product Lines
• **Building**
• **Opus**
• **Sanageb**

Functional Categories
• **Structural strengthening of masonry in historic buildings**
• **Masonry plastering with plasters and skims**

Components
Single-component

Appearance
Powder

RNF.0200

UNISAN BIANCO

Dehumidifying, structural,
reinforcing, white cement plaster

Customs Code

3824 5090

Packaging

- Bag 25 kg
- Pallet: 50 x (Bag 25 kg)

Application

- Brick trowel
- Finishing trowel
- Plastering machine
- Straight edge

Certifications and legislations



EN 998-1

Specification for Mortar for Masonry - Mortars for renovations (R)

General description

A composite mortar that is fibre-reinforced, consolidating, dehumidifying, white in colour and utilised for the structural restoration of crumbling old or monumental masonry. It contains no substances that are potentially harmful to masonry and is composed of hydraulic binders free from soluble salts, along with silicas with pozzolanic activity, selected siliceous-calcareous aggregates, specific shrinkage-reducing agents and alkaline-resistant READY MESH fibres that offer a high bending-traction effect and increase the fracture energy of the mortar. In conjunction with ARMAGLASS STRUCTURA fibreglass mesh, it is ideal for the structural restoration of old walls or crumbling constructions.

Dosage

Approximately 15 kg/m² of UNISAN BIANCO for every centimetre of thickness to be implemented (approximately 1500 kg per cubic metre).

Fields of application

Construction of plasters and reinforced slabs in interventions of restoration, construction of plaster and dehumidifying coatings with high performance, bedding of bricks and modular elements.

Basic features



Highlighted product



Max. recommended thickness:
40 mm



Maximum diameter of aggregate:
1.5 mm



Min. recommended thickness:
20 mm



Nonflammable



Pot-life:
60 min



Shelf-life:
12 months



Temperature of use:
+5 / +35 °C



Use wearing protective gloves



Available colours
White

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Technical specifications

Bonding force (UNI EN 1015-12): > 0.9 N/mm²

Breathability (UNI EN 1015-19): 11 μ

Capillary absorption (UNI EN 1015-18): 0.14 kg•h^{0.5}/m²

Compressive strength (UNI EN 1015-11): > 21 N/mm²

Density (UNI EN 1015-6): 1640 kg/m³

Flexural strength (UNI EN 1015-11): > 4.6 N/mm²

pH: > 12 _

Reaction to fire (EN 13501-1): A1 _
Static elastic modulus (EN 13412): 11000 N/mm²
Water/binder ratio: 0.45 _

Tools cleansing

- Water

Applicable on

- Bricks
- Tuff
- Mixed walls (bricks and stones)
- Brickworks
- Stone walls

Substrate preparation

The surfaces should be clean and free of any soiling, crumbling and non-adhering parts, dust, etc., conveniently saturated with water until they reach the condition of "saturated dry surface".

In the case of structural reinforced slabs, you will need to proceed with applying an appropriate reinforcing electrowelded mesh, to be fixed with REPAR TIX G2 or GROUT MICRO-J.

Instructions for use

Pour about 2/3 of the mixing water into the mixer, add UNISAN BIANCO and the remaining water; continue to mix until a homogeneous lump-free mixture is obtained. The mixing water should be about 12-14% of the weight of the bag. After mixing is completed wait a few minutes before applying. Apply the product by plastering trowel and brick trowel, or preferably with plastering machine (type PFT model G4).

Do not apply in case of direct exposure to sunlight or excessive ventilation. Cure the protection and the prolonged moist hardening, of exposed surfaces.

Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.



Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

UNISAN BIANCO is produced/distributed by



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