



Family
Intotech

Type
Anti-humidity structural plasters

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

INT.0200

UNISAN BIANCO

Dehumidifying, structural,
reinforcing, white cement plaster

Customs Code

3816 1000

Dosage

15 kg /m²/cm

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)



Sanageb - Prodotti naturali per la Bioedilizia

Product belonging to Sanageb, Azichem's product line dedicated to green-building, sustainability in constructions and bio-architecture since 1994.

General description

Composite, reinforced fibre, reinforcing, dehumidifying cement mortar, for the structural renovation of vintage masonry or dilapidated monuments. UNISAN BIANCO is composed of "pure" white cement, selected aggregates, specific agents, alkali resistant fibres. It brings together in a single product, the characteristics of compression strength (23 N/mm²) and the dehumidifying quality of a macroporous plaster. UNISAN BIANCO allows the vertical reinforcement of masonry walls, by "reinforced slabs", using only one product which renovates and strengthens at the same time.

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.

Available colours

• White

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



Solvent-free



Temperature of use:
+5 / +35 °C



Use wearing protective gloves

Technical specifications

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

Breathability (UNI EN 1015-19): 10-11 μ

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

Compressive strength (UNI EN 1015-11): > 25 N/mm²

Density (UNI EN 1015-6): 1750 kg/m³

Flexural strength (UNI EN 1015-11): > 6 N/mm²

pH: > 12 _

Reaction to fire (EN 13501-1): A1 _

Static elastic modulus (EN 13412): 11700 N/mm²

Water/binder ratio: < 0.40 _

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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).

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

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

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



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UNISAN BIANCO is produced/distributed by



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