

Family
Intotech

Type
Anti-humidity structural plasters

Product Lines
• Building
• Opus

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

Components
Single-component

Appearance
Powder

INT.0199

UNISAN

Dehumidifying structural,
reinforcing, grey 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 1504-3

Products and systems for the protection and repair of concrete structures - Structural and non-structural repair



EN 998-1

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

General description

Composite, reinforced fibre, reinforcing, dehumidifying cement mortar, for the structural renovation of vintage masonry or dilapidated monuments. UNISAN is composed of grey cement binders, 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 allows for the vertical reinforcement of masonry walls, by "reinforced slab", 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

• Gray

Basic features

 Max. recommended thickness: 40 mm	 Maximum diameter of aggregate: 1.5 mm
 Min. recommended thickness: 20 mm	 Mix with water: 14 %
 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 (EN 12190): > 25 N/mm²

Density (UNI EN 1015-6): 1750 kg/m³

Flexural strength (EN 12190): > 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 _

IF YOU WANT TO SOLVE IT



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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 reinforcing slabs, you will need to proceed with applying an appropriate reinforcing electrowelded mesh, to be fixed with PROFIX, GROUT MICRO-J, REPAR TIX G2 or SYNTECH IC 55.

Instructions for use

Pour about 2/3 of the mixing water into the mixer, add UNISAN 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 is produced/distributed by



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