



INT.0201

**UNTERSANA**

Breathable, dehumidifying  
scratch coat, based on hydraulic  
lime

### Customs Code

3824 5090

### Packaging

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

### Application

- Brick trowel
- Finishing trowel
- Plastering machine

Family  
**Intotech**

Product Lines

- Building
- Opus
- Sanageb

Components  
**Single-component**

Type  
**Anchoring scratch coats**

Functional Categories

- Masonry plastering with plasters and skims
- Renewal of wet masonry with waterproofing plasters
- Thermal-insulating renewal of masonry

Appearance  
**Powder**

## 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

Dehumidifying adhesive compound for the construction of anchoring scratch coats, for the subsequent application of normal plaster (INTOSANA), dehumidifying (SANATIGH) and light (SANAWARME and CALEOSANA), for new buildings, in existing buildings, for ecological building interventions and in the restoration of vintage buildings and monuments.

## General features

UNTERSANA is composed of hydraulic lime, botticino, kaolin, calcium caseinate, Vichy salt, tartaric acid and natural fibres. Does not contain cements, resins, solvents, thinners and radioemissive aggregates.

## Fields of application

Anchoring scratch coat (applied by "spraying" or "splashing") for the formation of an adhesive bridge for easy grip of subsequent plasters, dehumidifying, breathable, based on hydraulic lime.

## Available colours

- Light gray

## Basic features



Maximum diameter of aggregate:  
1.5 mm



Min. recommended thickness:  
4 mm



Mix with water:  
22-25 %



Nonflammable



Pot-life:  
60 min



Shelf-life:  
12 months



Solvent-free



Temperature of use:  
+5 / +30 °C

## Technical specifications

Bonding force (UNI EN 1015-12): 2.42 N/mm<sup>2</sup>

Breathability (UNI EN 1015-19): 14 µ

Capillary absorption (UNI EN 1015-18): 0.48 kg•h<sup>0.5</sup>/m<sup>2</sup>

Complete hardening (a 20°C): 3 day

Compressive strength (UNI EN 1015-11): > 26 N/mm<sup>2</sup>

Density (UNI EN 1015-6): 1850 kg/m<sup>3</sup>

Flexural strength (UNI EN 1015-11): > 4 N/mm<sup>2</sup>

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

Static elastic modulus (EN 13412): 11500 N/mm<sup>2</sup>



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## Tools cleansing

- Water

## Applicable on

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

## Substrate preparation

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

## Instructions for use

Pour about 2/3 of the mixing water into the mixer, add UNTERSANA and the remaining water; continue to mix until a homogeneous lump-free mixture is obtained. The mixing water should be about 22-25% of the weight of the bag. After mixing is completed wait a few minutes before applying.

"Spray" the product, with plastic fluid consistency, on the application supports, with plastering trowel and brick trowel or with plastering pump. Protect fresh surfaces from direct exposure to sunlight, from the rain and wind, cure the prolonged moist hardening.

## 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.

For a proper adhesion of the next plaster, it is appropriate to apply the latter before the complete curing of the rendering UNTERSANA (within 24-36 hours).



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