

Family  
**Intotech**

Type  
**Quick-setting hydraulic-lime thixotropic mortars for fasteners and anchors**

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

Functional Categories  
• **Fastening and anchoring metallic connectors, inserts and frames**  
• **Masonry plastering with plasters and skims**

Components  
**Single-component**

Appearance  
**Powder**

INT.0018  
**ANCHORSANA  
FIX**

Quick compound, lime and aluminate based, for fixings and anchors

 **Customs Code**

3824 5090

 **Packaging**

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

 **Application**

- Brick trowel
- Pour out

## Certifications and legislations



**EN 998-1**

Specification for Mortar for Masonry - General purpose rendering/plastering mortar (GP)



**EN 998-2**

Masonry mortars - Masonry mortar for general purposes (G)



**M20**

EN 998-2

## General description

Premixed based on hydraulic lime, special sulfur aluminate binders, water retainers, shrinkage compensators and reducers of the water/binder ratio, used for fixing and anchoring, in masonry, connectors, inserts, bars, brackets, grouting of the joints, tacking of lesions. It is a product with accelerated setting and hardening, with setting start at 30', end setting at 60' and development of mechanical strength already after 90' of curing. Particularly recommended in the restoration of period and monumental buildings.

## General features

The particularly fine constituent materials allow adequate anchoring even in the presence of a small space between hole and connectors. By mixing ANCHORSANA FIX with different water contents, the product passes from thixotropic consistencies (23% water) to fluid gel consistencies (30% water), allowing any type of anchoring, from overhead to inclinations towards the bass. The product does not contain resins and solvents and can also be used indoors, subject to the usual precautions necessary when handling materials based on alkaline and irritating powders such as lime (use suitable personal protective equipment, such as gloves and protective goggles).

## Dosage

Approximately 1.6 kg of ANCHORSANA FIX for each cubic decimeter of volume to be filled.

## Fields of application

Fixing and anchoring, in masonry bodies, of rigid connectors, jib connectors, inserts, bars with improved adherence, anchors. It develops great adhesion on materials of different nature: metal, fiberglass, basalt.




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## Basic features

 Density: 1.97 kg/dm <sup>3</sup>	 Maximum diameter of aggregate: 0.5 mm
 Mix with water: 23 - 30 %	 Nonflammable
 Pot-life: 15 min	 Shelf-life: 6 months
 Temperature of use: +5 / +30 °C	 Use wearing protective gloves
 Available colours Light gray	

## Technical specifications

Bonding force (UNI EN 1015-12): > 1.0 N/mm<sup>2</sup>

Capillary absorption (UNI EN 1015-18): < 0.50 kg•h<sup>0.5</sup>/m<sup>2</sup>

Complete hardening (20°C): 60 min

Compressive strength after 01 day (EN 12190): > 13 MPa

Compressive strength after 1,5 hours (EN 12190): > 4 MPa

Compressive strength after 28 days (EN 12190): > 20 MPa

Flexural strength after 28 days (EN 12190): > 6 MPa

Flexural strength at 01 day (EN 12190): > 4 MPa

Hard to touch (20°C): 30 min

Permeability to water vapor  $\mu$ : ≤ 35 \_

pH: > 12 \_

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

Static elastic modulus (EN 13412): 11000 N/mm<sup>2</sup>

## Tools cleansing

- Water

## Applicable on

- Plasters
- Concrete
- Cement-based or lime-based mortars
- Bricks
- Tuff
- Mixed walls (bricks and stones)
- Brickworks
- Stone walls
- Floor screed

## Substrate preparation

Blow with compressed air and forced suction of the housing holes. The application surfaces must be clean, free of dirt, moving, crumbly and incoherent parts, dust, etc., suitably saturated with water until reaching the condition of "saturated with dry surface".

## Instructions for use

Pour about 2/3 of the mixing water into the mixer; gradually add ANCHORSANA FIX and the water still required, continuing to mix, until a homogeneous, lump-free mixture of the desired consistency is obtained. Apply with a trowel or by casting. The mixing water indicatively required is equal to 23% by weight for thixotropic doughs, and to 30% by weight for doughs with a plastic-fluid consistency.

## 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](http://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](http://www.azichem.com).

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

*ANCHORSANA FIX is produced/distributed by*



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