

# Intonet M25

## Fibre-reinforced plaster for structural restorations and plastering



Plaster, premixed, fibre-reinforced, based on hydraulic binders with a low content of soluble salts, for reinforced plastering, bedding of bricks, plastering, repair and covering of internal and external walls and masonry, repair of concrete elements.

**CUSTOMS CODE:** 3824 5090

**COMPONENTS:** Single-component

**APPEARANCE:** Powder

**AVAILABLE COLORS:** Light gray

**PACKAGING AND DIMENSIONS:** Bag 25 kg

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FEATURES AND BENEFITS

Intonet M25 is a fibre-reinforced premix with READYMESH PM technology, made up of hydraulic binders, siliceous aggregates, special additives and microsilicas with high pozzolanic activity. These microsilicas, with very fine particle size, increase the mechanical performance of the plaster and have very positive effects on its durability, preventing the development of unwanted reactions between the hydraulic binders and the saline compounds which are usually present in the masonry (sulphates), or come from particularly aggressive exposure environments (chlorides, nitrates). The particular balance between breathability, absorption, mechanical performance, durability, resistance to chemical attacks makes the use of INTONET M25 particularly recommended for restoration and reinforcement operations of brick, stone or mixed walls. Intosana does not contain resins, solvents or radio-emissive aggregates. For thicknesses exceeding 20 mm it is advisable to improve the anti-cracking ability by inserting a suitable fiberglass plaster-holder mesh from the ARMAGLASS line. Mechanical parameters after immersion for 180 days in water saturated with: a) calcium sulphate, b) magnesium sulphate, c) sodium chloride = variations  $\pm$  3%.

## FIELDS OF APPLICATION

Plastering, repair and reinforcement of brick, stone or mixed walls, both externally and internally. Reinforced plastering combined with reinforcement mesh and connectors from the ARMAGLASS line. Mortar for bedding and unsewing operations on walls. Filling of joints, cracks and lesions on walls. Restoration and repair of reinforced concrete elements.

## ALLOWED SUPPORTS

Concrete - Mixed walls (bricks and stones) - Brickworks - Bricks - Porous stone



## PREPARATION OF SUPPORTS

The application surfaces must be clean, free of dirt, crumbly and inconsistent parts, dust, etc., suitably roughened and saturated with water until reaching the "saturated dry surface" condition. In walls to be plastered with the CRM technique it is always advisable to carry out a deep skiving of the joints, which will constitute the support base for a tenacious adhesion of the plaster to the masonry. Concrete surfaces must always be properly treated until a degree of roughening > 5 mm is obtained and freed from dust by pressure washing.

## MODE OF USE

Pour approximately 2/3 of the mixing water into the mixer and gradually add INTONET M25 and the remaining water necessary, continuing mixing until a homogeneous mixture, free of lumps, of the desired consistency is obtained. The approximately necessary mixing water is equal to 15-16% by weight (3.75-4 liters per 25 kg bag). The application can be carried out using manual methods (trowel, trowel) or mechanical spray methods. Protect fresh surfaces from direct sunlight, rain and wind, ensure prolonged humid maturing. It is advisable to apply the plaster after applying an adequate adhesion render. The render can be made with INTONET M25 with a plastic-fluid consistency or by applying the specific UNTERSANA product. Both must be applied in a "sprizzo" ("sbruffatura") and must create a rough, corrugated surface, suitable for facilitating the adhesion of the subsequent plaster, which must be applied within 2-3 days.

## APPLICATION METHODS

Brick trowel - Plastering machine - Straight edge


## TOOL CLEANING


Water

## KEY FEATURES


 Maximum diameter of aggregate: 1.5 mm


 Nonflammable

 Shelf-life: 12 months

 UV-resistant

**A:B** Mixing ratio: 15 - 16 %

 Pot-life: 60 min

 Temperature of use: +5/+30 °C

## TECHNICAL SPECIFICATIONS

UNI EN 1542  
Bonding force > **1 N/mm<sup>2</sup>**

UNI EN 1015-6  
Density **2100 kg/m<sup>3</sup>**

UNI EN 1015-11  
Compressive strength after 1 day > **12 N/mm<sup>2</sup>**

UNI EN 1015-11  
Compressive strength after 28 days > **28 N/mm<sup>2</sup>**

EN 196/1  
Flexural strength after 7 days > **5 N/mm<sup>2</sup>**

Breathability **15 μ**

UNI EN 1015-18  
Capillary absorption **0.8**

EN 13142  
Static elastic modulus **15000 N/mm<sup>2</sup>**

UNI EN 1015-11  
Compressive strength after 7 days > **20 N/mm<sup>2</sup>**

EN 196/1  
Flexural strength at 1 day > **3 N/mm<sup>2</sup>**

EN 196/1  
Flexural strength after 28 days > **6 N/mm<sup>2</sup>**



## CONSUMPTION

Approximately 19 kg/m<sup>2</sup> of INTONET M25 for each centimeter of thickness to be created (approximately 1900 kg for each cubic meter)

## STORAGE AND CONSERVATION

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. Store the product at a temperature between +5°C and +35°C.

## WARNINGS AND PRECAUTIONS

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.

