



RNF.0376

## ARMAGLASS STRUCTURA 250

280 grams/m<sup>2</sup> of alkali-resistant  
fibreglass structural mesh

### Customs Code

7019 5900

### Packaging

- Roll 50 m<sup>2</sup>
- Roll 100 m<sup>2</sup>

### Application

- Apply by hand

Family  
**Rinfor**

Product Lines

- Building
- Infratech
- Opus
- Sanageb

Components  
**Single-component**

Type  
**Alkaline-resistant fibreglass meshes**

Functional Categories

- Structural strengthening of masonry in historic buildings
- Structural reinforcement of brick, stone or mixed masonry and concrete products

Appearance  
**Net**

## Certifications and legislations



### CHEMICAL RESISTANT

Chemical-resistant product

## General description

280 g/m<sup>2</sup> structural reinforcement mesh with 25 x 25 mm square mesh, in alkali-resistant fibreglass, containing >16% zirconium dioxide, constructed with a leno weave and primed with thermosetting polymer. Certified mesh for the anti-detachment of flooring; easy and quick to apply, to handle and to cut. It combines lightness and thinness with excellent mechanical characteristics in the warp and weft. Resistant to atmospheric agents and aggressive environments, conferring durability to the composite systems in which it is used. Suitable for any substrate and perfectly compatible with both cement-based and lime-based mortars.

## General features

Ideal for any type of substrate. Particularly suited to preventing slab detachment in combination with special steel components, also together with mortars with a UNISAN hydraulic binder base, which increases the performance of the system by ensuring breathability and a dehumidifying effect.

## Dosage

1.1 m/m<sup>2</sup>: The sheets adjacent to the fibreglass mesh are to be overlapped along the edges by at least 10 centimetres.

## Fields of application


ARMAGLASS STRUCTURA 250 is a mesh for the structural reinforcement and consolidation of masonry and vaulted structures. It is ideal for reinforcing plasters with anti-overturning function, for the reinforcement and distribution of shrinkage stresses on walkable or drainage screeds and concrete flooring. A certified mesh to prevent slab detachment in combination with special steel components (screws, dowels, flanges).

## Basic features

 Length:  
50 m

 Suitable for contact with drinking water


 Use wearing protective gloves

 Width:  
100 / 200 cm

 Nonflammable

 Unlimited shelf-life

 UV-resistant

 Available colours  
Red

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## Technical specifications

*Dressed fabric weight ISO 3374:2000: 280 g/m<sup>2</sup>*

*Equivalent texture thickness CNR DT 200 R1/2013: 0.0339 mm*

*Glass density:* 2.68 g/cm<sup>3</sup>  
*Glass elastic module:* 72.000 N/mm<sup>2</sup>  
*Longitudinal elongation at break:* 1.70 %  
*Mesh size:* 25 x 25 mm  
*Net elastic modulus (warp):* 58.441 N/mm<sup>2</sup>  
*Net elastic modulus (weft):* 61.097 N/mm<sup>2</sup>  
*Raw fabric weight ISO 3374:2000:* 182 g/m<sup>2</sup>  
*Resistant warp-weft section CNR DT 200 R1/2013:* 33.95 mm<sup>2</sup>/m  
*Single warp thread tensile strength (Tensile speed 10 mm / min) ISO 527-4,5:1997:* 1.34 kN  
*Single warp thread tensile strength (Tensile speed 100 mm / min) ISO 10406-1:2015:* 1.60 kN  
*Single wire nominal area:* 0.789 mm<sup>2</sup>  
*Single wire weft tensile strength (Tensile speed 10 mm / min) ISO 527-4,5:1997:* 1.41 kN  
*Single wire weft tensile strength (Tensile speed 100 mm / min) ISO 10406-1:2015:* 1.57 kN  
*Thickness:* 1.10 mm  
*Warp equivalent thickness CNR DT 200 R1/2013:* 0.0339 mm  
*Warp tensile strength (Tensile speed 10 mm / min):* 55 kN/m  
*Warp tensile strength (Tensile speed 100 mm / min):* 65 kN/m  
*Weft tensile strength (Tensile speed 10 mm / min):* 58 kN/m  
*Weft tensile strength (Tensile speed 100 mm / min):* 64 kN/m

## Applicable on

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

## Instructions for use

Application on masonry and vaults:

In the event that connectors are being used, proceed with creating holes of a suitable diameter, in accordance with the chosen connection system and arranged in line with the design instructions and with the selected connection system (ARMAGLASS CONNECTOR, ARMAGLASS CONNECTOR SINGLE, ARMAGLASS CONNECTOR TWIN). Secure the connectors with resin anchors (SYNTECH PROFIX) or hydraulic binder-based slurry (GROUT CABLE, SANAFLEUENS). Apply an initial layer of mortar (see the technical data sheet of the selected product), positioning the ARMAGLASS STRUCTURA 250 mesh on the still-fresh mortar, taking care to ensure an overlap of at least 10 centimetres, before applying the second layer of mortar. Whilst the mortar is still fresh, lay the mesh sheeting, proceeding from top to bottom, and immersing with the help of a putty knife, being sure to overlap each segment by at least 10 centimetres and impeding the formation of bubbles and bends.

Application on screeds:

Apply an initial layer of screed (see the technical data sheet of the selected product), laying the ARMAGLASS STRUCTURA 250 mesh on the first layer of still-fresh screed, taking care to ensure an overlap of at least 10 centimetres, then applying the second layer of screed.

## 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.



## 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.

*ARMAGLASS STRUCTURA 250 is produced/distributed by*



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