RNF.0380

# ARMAGLASS STRUCTURA 330

330 grams/m2 of alkali-resistant fibreglass structural mesh

## Customs Code

7019 5900

## Packaging

- Roll 50 m²
- Roll 100 m²

## Application

- Apply by hand

Family
**Rinfor**

Type
**Alkaline-resistant fibreglass meshes**

Product Lines
- **Building**
- **Infratech**
- **Opus**
- **Sanageb**

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

Components
**Single-component**

Appearance
**Net**

## **Certifications** and legislations

**CHEMICAL RESISTANT**
Chemical-resistant product

## General **description**

330 g/m2 structural reinforcement mesh with 50 x 50 mm square mesh, in alkali-resistant fibreglass, containing >16% zirconium dioxide, constructed with a leno weave and primed with thermosetting polymer. It is straightforward and quick to apply, simple to handle and easy to cut. It combines lightness and thinness with excellent mechanical properties in terms of 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- and lime-based mortars.

## Dosage

1.1 m/m²: The sheets adjacent to the fibreglass mesh are to be overlapped along the edges by at least 10 centimetres.

## Fields of **application**

ARMAGLASS STRUCTURA 330 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.

## Basic **features**

- Lenght: *50 m*
- Nonflammable
- Unlimited shelf-life
- Use wearing protective gloves
- UV-resistant
- Width: *100 / 200 cm*
- Available **colours**: Red

## **Technical** specifications

| | |
|---|---|
| *Alkali-resistant material* | |
| *Dressed fabric weight ISO 3374:2000* | 335 g/m² |
| *Equivalent texture thickness CNR DT 200 R1/2013* | 0.0438 mm |
| *Glass density* | 2.68 g/cm³ |
| *Glass elastic module* | 72000 N/mm² |
| *Longitudinal elongation at break* | 3.50 % |
| *Mesh size* | 50 x 50 mm |
| *Non-toxic material* | |
| *Raw fabric weight ISO 3374:2000* | 235 g/m² |

IF YOU WANT TO SOLVE IT azichem

**www.azichem.com**

Updated: **28/10/2021**
General sales conditions and legal notices on www.azichem.com/disclaimer

| | |
|---|---|
| *Resistant warp-weft section CNR DT 200 R1/2013* | 43.843 mm²/m |
| *Single warp thread tensile strength (Tensile speed 10 mm / min) ISO 527-4,5:1997* | 2.950 kN |
| *Single warp thread tensile strength (Tensile speed 100 mm / min) ISO 10406-1:2015* | 3.250 kN |
| *Single wire nominal area* | 2.192 mm² |
| *Single wire weft tensile strength (Tensile speed 10 mm / min) ISO 527-4,5:1997* | 2.950 kN |
| *Single wire weft tensile strength (Tensile speed 100 mm / min) ISO 10406-1:2015* | 3.250 kN |
| *Warp equivalent thickness CNR DT 200 R1/2013* | 0.0438 mm |
| *Warp tensile strength (Tensile speed 10 mm / min)* | 59 kN/m |
| *Warp tensile strength (Tensile speed 100 mm / min)* | 65 kN/m |
| *Weft tensile strength (Tensile speed 10 mm / min)* | 59 kN/m |
| *Weft tensile strength (Tensile speed 100 mm / min)* | 65 kN/m |

## **Applicable** on

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

## **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, SANAFLUENS). Apply an initial layer of mortar (see the technical data sheet of the selected product), positioning the ARMAGLASS STRUCTURA 330 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 330 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. 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.
It is forbidden to dispose of the product and/or packaging in the environment.

*ARMAGLASS STRUCTURA 330 is produced/distributed by*

IF YOU WANT TO SOLVE IT azichem

Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy
info@azichem.com Tel. +39 0376.604185 /604365 Fax +39 0376 604398