



OLY MESH GLASS 330 is a pre-formed structural mesh in AR glass fiber (alkaline resistant, with at least 17% zirconium) woven with a leno and primed with PVA suitable for structural reinforcement and consolidation of walls, floors, screeds, vaults, concrete and flooring . Suitable for the anti-shattering of floors and for the anti-tilting of primary and secondary partitions.

OLY MESH GLASS 330 guarantees excellent mechanical characteristics, allows you to easily remedy precarious situations affecting both vertical structures and horizontals, allowing, unlike interventions made with traditional materials, reduced invasiveness, as they allow to keep the dimensions of the previous elements almost unchanged and their own weight and therefore of the entire structure. Composite materials have undoubted advantages: very high tensile strength, low specific weight, high resistance to environmental stresses. Furthermore, they have the advantage of being applied quickly and minimally invasive. The reinforcement properly placed can be subsequently plastered with traditional plasters on the market.

Geometric characteristics

| Properties OLY MESH GLASS 330 | Nominal value | Tolerances |
|--------------------------------------|----------------------|-------------------|
| Dressed fabric weight | 335 g/m ² | +/- 5% |
| Raw fabric weight | 235 g/m ² | +/- 5% |
| Zirconium content | >16% | |
| Medium thickness coated fabric | 1,70 mm | +/- 5% |
| Mesh size (internal measurements) | 50x50 mm | +/- 5% |
| Color | Red | |
| Elongation at break | 3,50% | |
| Average wire width | 4,00 mm | |
| Equivalent thickness warp | 0,0438 mm | +/- 5% |
| Equivalent thickness weft | 0,0438 mm | +/- 5% |
| N ° threads / m warp | 20 | |
| N ° threads / m weft | 20 | |
| Roll height | 100/200 cm | |
| Roll length | 50 m | |

Design features

| Properties OLY MESH GLASS 330 | Nominal value | Tolerances |
|---------------------------------------|---------------------------|------------|
| Glass density | 2,68 g/cm ³ | +/- 5% |
| Glass elastic modulus | 72,00 KN/mm ² | +/- 5% |
| Tensile strength single wire (warp) | 3,150 KN | +/- 5% |
| Single strand (weft) tensile strength | 3,150 KN | +/- 5% |
| Breaking tension (warp) | 63 KN/m | +/- 5% |
| Breaking tension (weft) | 63 KN/m | +/- 5% |
| Resistant section (warp) | 43,843 mm ² /m | +/- 5% |
| Resistant section (weft) | 43,843 mm ² /m | +/- 5% |

Storage and safety conditions

Store in a covered and dry place;

Use appropriate precautions in handling, transport and storage activities in order to avoid damage;

During the preparation and installation of the reinforcement systems, wear personal protective equipment (head, gloves, goggles and dust masks);

Before installation, the product must be cleaned of dust, oils, greases, etc .;

For more information, refer to the technical sheets of the mortars **OLY WALL STRUKTURA-F**.

Packs

The net is available in rolls of 50 ml length and 100 cm height.

Installation OLYMPUS STONE system

1. Demolition of the existing plaster until reaching the masonry surface for the portion to be reinforced.
2. Thorough cleaning of dust, oils and paints of the wall support on which the reinforcement system is to be applied.
3. Washing and wetting of the surface until saturation.
4. Application of a first layer of **OLY WALL STRUKTURA-F** type mortar with a trowel or spray with a suitable plastering machine, following the instructions given in the respective technical data sheets.
5. Application of the **OLY MESH GLASS 115** mesh on the previous “fresh” layer of mortar, taking care to ensure an overlap between adjacent strips of at least 15-20 cm.

6. Application of a second layer of **OLY WALL STRUKTURA-F** type mortar with a trowel or spray with a suitable plastering machine, following the instructions given in the respective technical data sheets.

Note: in order to ensure the proper collaboration of the reinforcement with the support, we recommend the use of connectors from the **OLYMPUS** line.

Warnings

The technical and mechanical characteristics and the methods of installation indicated in this sheet are based on an extensive analysis of the state of the art of the research and of the applications in question, but cannot imply any guarantee on our part on the final result of the product. applied in particular with regard to the installation of systems that must be carried out by specialized personnel.

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Product for professional use

Rev. 001-20

For information, technical assistance and additional systems for structural reinforcement, visit the site:

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