



OLY MESH GLASS 150 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 150 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 150	Nominal value	Tolerances
Dressed fabric weight	158 g/m ²	+/- 5%
Raw fabric weight	95 g/m ²	+/- 5%
Zirconium content	>16%	
Medium thickness coated fabric	0,90 mm	+/- 5%
Mesh size (internal measurements)	40 x 40 mm	+/- 5%
Color	Red	
Elongation at break	1,50%	
Average wire width	2,50 mm	
Equivalent thickness	0,0209 mm	+/- 5%
N ° threads / m wrap	25	
N ° threads / m weft	25	
Roll height	100/200 cm	
Roll length	50 m	

Design features

Properties OLY MESH GLASS 150	Nominal value	Tolerances
Glass density	2,68 g/cm ³	+/- 5%
Tensile strength single wire (warp)	1,08 KN	+/- 5%
Single strand (weft) tensile strength	1,28 KN	+/- 5%
Tensile strength (warp)	27 KN/m	+/- 5%
Tensile strength (weft)	32 KN/m	+/- 5%
Breaking tension (warp)	1400,00 N/mm ²	+/- 5%
Breakdown tension (weft)	1400,00 N/mm ²	+/- 5%
Resistant section (warp)	19,285 mm ² /m	+/- 5%
Resistant section (weft)	19,285 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.

The buyer is responsible for verifying the suitability of the products described in this document for the intended use and purposes. Olympus srl assumes no responsibility for the improper use of the material. The customer is required to verify that this sheet and the data reported therein are valid for the batch of product of his interest and are not outdated as replaced by subsequent editions and / or new product formulations or certifications. The customer is invited to contact our Technical Department in advance for further clarifications. This edition cancels and replaces any previous one.

Product for professional use
Rev. 001-20

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

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