



Technical data sheet	N. A 1077 10-19	
GLASSTEX® STRUKTURA 330 - Art. GT AR 330		
STRUCTURAL FIBER GLASS MESH, AR GLASS, WITH >16% ZIRCONIUM DIOXIDE > 16 %, PRIMED, MADE USING THE LENO TECHNIQUE. "THERMOSET POLYMER FINISH"		
Product suitable for structural reinforcement and consolidation of masonry, vaults and for reinforcement of all types of screed, walkable, driveways, draining and for street furniture.		

GEOMETRIC CHARACTERISTICS	NOMINAL VALUE	TOLERANCE	REGULATION
PRIMED FABRIC WEIGHT	335 g/m ²	+/- 5 %	ISO 3374:2000
RAW FABRIC WEIGHT	235 g/m ²	+/- 5 %	ISO 3374:2000
ZIRCONIUM DIOXIDE CONTENT	> 16 %	-	-
MEDIUM THICKNESS OF PRIMED FABRIC	1.70 mm	+/- 5 %	VIM JCGM 200:2012
STICH DIMENSION	50x50 mm	+/- 5 %	VIM JCGM 200:2012
SINGLE-WIRE NOMINAL AREA	2,192 mm ²	-	-
COLOUR	RED	-	-
EQUIVALENT THICKNESS (warp)	0.0438 mm	+/- 5%	CNR-DT 200 R1/2013
EQUIVALENT THICKNESS (weft)	0.0438 mm	+/- 5%	CNR-DT 200 R1/2013
ELONGATION AT BREAK	3.50 %	-	-
AVERAGE WIRE WIDTH	4.00 mm	-	-
NUMBER OF WIRES IN WEFT	20 20	- -	- -
ROLL HEIGHT ROLL LENGHT	100/200 cm 50/50 m	- -	UNI 9311/2 UNI 9311/2



PROJECT FEATURES	NOMINAL VALUE	TOLERANCE	REGULATION
GLASS DENSITY	2,68 g/cm ³	+/- 5 %	-
GLASS MODULUS OF ELASTICITY	72.000 N/mm ²	+/- 5%	-
TENSILE STRENGTH SINGLE WIRE (warp) traction speed 1 mm/min	2,800 kN		-
TENSILE STRENGTH SINGLE WIRE (warp) traction speed 10 mm/min	2,950 kN	+/- 5%	ACCORDING TO ISO 527-4,5 : 1997
TENSILE STRENGTH SINGLE WIRE (warp) traction speed 100 mm/min	3,250 kN		ACCORDING TO ISO 10406-1:2015 STS-17/0013
TENSILE STRENGTH SINGLE WIRE (Weft) traction speed 1 mm/min	2,800 kN		-
TENSILE STRENGTH SINGLE WIRE (Weft) traction speed 10 mm/min	2,950 kN	+/- 5%	ACCORDING TO ISO 527-4,5 : 1997
TENSILE STRENGTH SINGLE WIRE (Weft) traction speed 100 mm/min	3,250 kN		ACCORDING TO ISO 10406-1:2015 STS-17/0013
TENSILE STRENGTH (warp) traction speed 1 mm/min	56 kN/m		
TENSILE STRENGTH (warp) traction speed 10 mm/min	59 kN/m	+/- 5%	-
TENSILE STRENGTH (warp) traction speed 100 mm/min	65 kN/m		
TENSILE STRENGTH (Weft) traction speed 1 mm/min	56 kN/m		
TENSILE STRENGTH (Weft) traction speed 10 mm/min	59 kN/m	+/- 5%	-
TENSILE STRENGTH (Weft) traction speed 100 mm/min	65 kN/m		
RESISTANT SECTION (warp)	43,843 mm ² /m	+/- 5%	CNR-DT 200 R1/2013
RESISTANT SECTION (Weft)	43,843 mm ² /m	+/- 5%	CNR-DT 200 R1/2013



Advantages

- Quick and easy to apply
- Lightness and reduced thickness
- Excellent mechanical characteristics in warp and weft
- Resistance to atmospheric agents
- Easy to cut and easy to handle
- Usable in aggressive environments
- Durability
- Suitable for any kind of support
- Radiotranslucent

Preparation of the support

To prepare the support carefully follow the instructions in the technical data sheets of the product with which the mesh **Glasstex Struktura 330** is combined:

- Clay Line mortars;
- Concrete Line mortar line.

Application on masonry and vaults

Proceed to make holes of suitable diameter and inclination (at least 4 per m²) depending on the chosen connection system: Vortex, Glass Connector or Fiocchi (see technical data sheets).

Apply a first layer of mortar (see technical data sheet of the chosen product), lay the mesh **Glasstex Struktura 330** and in correspondence of the corners or corners, place Angolo Struktura on the still fresh mortar, take care to ensure at least 15 cm on the overlaps, lay the second layer of mortar.

Integrate the aforementioned indications referring to the Biemme quaderno tecnico applicativo regarding the Armatex line, the latest version is available on the site:

<http://biemmebiagiotti.com/wp-content/uploads/2017/06/QUADERNO-TECNICO-APPLICATIVO.pdf>

Per utilizzi diversi da quelli riportati contattare il nostro ufficio tecnico.

Application on screeds

Apply the first layer of draining screed (see technical data sheet of the chosen product), lay the **Glasstex Struktura 330** on the first layer of still fresh screed, taking care to ensure at least 15 cm of overlapping, then lay the second layer of screed.

Integrate the aforementioned indications referring to the Biemme quaderno tecnico applicativo regarding the Armatex line, the latest version is available on the site:

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Specifications

Structural mesh in AR GLASS fiberglass (Alkali-resistant) containing >16% zirconium dioxide made with leno technique and primed, suitable for structural reinforcement, and the consolidation of stone, brick, tuff walls and mix-stone walls, vaults and floors such as walking screeds for street furniture and drainage screeds (such as GLASSTEX STRUKTURA 330 by Biemme Srl) with the following characteristics: weight of the fabric prepared 335 g / m², weight of raw fabric 235 g / m², mesh size 50x50 mm, tensile strength (warp) 56 kN / m, tensile strength (weft) 68.5 kN / m.

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