

# Armoglass Corner 99

GFRP corner in glass yarn and pultruded epoxy resin



Angular element of monolithic GFRP mesh made with continuous filament glass fiber yarn bars and pultruded epoxy resin primer. The bars are intertwined with each other through a stitching thread, using a unique technology that allows the formation of joints between the longitudinal and transverse bars with high mechanical resistance. The epoxy resin guarantees the mesh high dimensional stability, alkali resistance and improves the mechanical characteristics. The composite has a square mesh with a side of 99 mm, an ideal size for use with mortars for CRM reinforcement systems. The corner piece is a component of our RINFOR SYSTEM systems, which also include GFRP networks, gussets and connectors combined with our lime-based or cement-based mortars.

**CUSTOMS CODE:** 7019 6100

**COMPONENTS:** Single-component

**APPEARANCE:** GFRP angular

**AVAILABLE COLORS:** Black

**PACKAGING AND DIMENSIONS:** Bulk material 1.05 m

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FIELDS OF APPLICATION

To be used in combination with the Armoglass Structura 99 mesh for the reinforcement of masonry and concrete structures through the reinforced plaster technique (CRM system: Composite Reinforced Mortar).

## ALLOWED SUPPORTS

Concrete - Cement-based or lime-based mortars - Mixed walls (bricks and stones) - Brickworks - Stone walls - Lime and lime-cement plasters and mortars

## PREPARATION OF SUPPORTS

To prepare the support, carefully follow what is indicated in the technical data sheets of the mortar with which Armoglass Corner 99 is combined.

## MODE OF USE

Apply Armoglass Corner 99 in correspondence with all the corner areas of the reinforced plastering, in order to guarantee the structural continuity of the RINFOR SYSTEM reinforcement system.



## APPLICATION METHODS

Apply by hand

## KEY FEATURES

↔ Length: 1.05 m

∞ Unlimited shelf-life

☀ UV-resistant

☞ Suitable for contact with drinking water

☞ Use wearing protective gloves

↔ Width of the two sides: 25 cm

## TECHNICAL SPECIFICATIONS

Unit weight **260 g/m**

Mesh size **99 x 99 mm**

Number of weft threads **10 nr/m**

Number of warp threads **10 nr/m**

CNR-DT 203/2006

Nominal diameter of single strand (weft) **3 mm**

CNR-DT 203/2006

Nominal diameter of single strand (warp) **4 mm**

EAD 340392-00-0104

Characteristic tensile load for single bar (warp) **6.9 %**

EAD 340392-00-0104

Characteristic tensile load for single bar bent at 45° (warp) **4.9 %**

Two-way texture

## CONSUMPTION

Based on the total length of the corner areas.

## STORAGE AND CONSERVATION

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight.

## WARNINGS AND PRECAUTIONS

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.



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