

Armoglass Structura 305

Alkali-resistant fibreglass reinforcing mesh of 60 g/m²



Anti-cracking reinforcement mesh, made of alkali resistant fibreglass yarn, for the best distribution of tensions and to avoid shrinkage cracks caused by changes in temperature, due to lack of planar homogeneity etc. They are available in 3 different types: the 60 g/m² version, with a 2.7 x 2.7 mm square mesh, perfect for reinforced micro-screeds. The standard roll is 1 m in height by 100 m in length.

CUSTOMS CODE: 7019 6100

COMPONENTS: Single-component

APPEARANCE: Roll

AVAILABLE COLORS: White

PACKAGING AND DIMENSIONS: Roll 50 m²

OBTAINED CERTIFICATIONS AND REGULATIONS



FEATURES AND BENEFITS

ARMAGLASS 060 is perfect for preventing the formation of cracks and fissures by spreading the stresses on the whole surface, the use of fibreglass mesh is practically indispensable. The mesh used is generally low basis weight and reduced thickness. It is particularly recommended for works of restoration and rehabilitation of superficial layers of concrete internal and external walls.

FIELDS OF APPLICATION

Reinforced micro-screeds of concrete structural and/or decorative elements.

ALLOWED SUPPORTS

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

MODE OF USE

Lay the wire mesh on the fresh mortar from the top downwards, filling it with a spatula, taking care to overlap them at least 10 cm and to avoid the formation of air bubbles and folds.



APPLICATION METHODS

To be added to other components - Apply by hand

KEY FEATURES

↔ Lenght: 50 m

☞ Suitable for contact with drinking water

☀ UV-resistant

🔥 Nonflammable

♻ Unlimited shelf-life

↔ Width: 100 cm

TECHNICAL SPECIFICATIONS

Mesh size **38 x 38 mm**

Number of weft threads **26 nr/m**

ISO 3374:2000

Raw fabric weight **255 g/m²**

Elongation (weft) **2.7 %**

Nominal area of single strand (weft) **5.27 mm²**

Mesh elastic modulus (weft) **20 GPa**

Residual resistance to saline environments after 1000 hours **≥ 85 %**

Residual moisture resistance after 1000 hours **≥ 85 %**

Warp tensile strength **910 MPa**

Number of warp threads **26 nr/m**

ISO 3374:2000

Dressed fabric weight **305 g/m²**

Elongation(warp) **2.8 %**

Nominal area of single strand (warp) **3.21 mm²**

Net elastic modulus (warp) **32 GPa**

Residual resistance to alkaline environments after 1000 hours **≥ 85 %**

Residual resistance to freeze-thaw **≥ 85 %**

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Glass transition temperature **60 °C**

Weft tensile strength **532 MPa**

STORAGE AND CONSERVATION

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 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.

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