

TECHNICAL DATA SHEET

BICO Fiberglass mesh 160 g/m²

EUROPEAN TECHNICAL ASSESSMENT – ETA 18/0372 of 07/10/2018

CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL NO. 1020-CPR-060048297

TECHNICAL AGREEMENT NO. 001SC-04/821-2021

DESCRIPTION

Fiberglass mesh (E-glass type), is a product characterized primarily by resistance to alkaline environment. It is coated with a layer of SBR (Styrene-Butadiene).

Using a LENO-type fabric, the fiberglass mesh weighing 160 g/m² confers resistance to the wall rendering and a lifetime equal to that of the plasters it reinforces.

DESTINATION AND FIELD OF USE

- ✓ Fiberglass mesh with a weight of 160 g/m² is used as a reinforcing element for external thermal insulation system (ETICS) based on mineral wool, expanded polystyrene or other types of thermal insulation board;
- ✓ Reinforcement of interior and exterior plasters, protecting them from cracking;
- ✓ Manufacture of reinforcement layers for facade renovations.

TECHNICAL CHARACTERISTICS

CHARACTERISTICS	TESTING METHOD	UNITS	TOLERANCE	VALUES
Appearance of fiberglass mesh	EAD 040016-01-0404 clause 2.2.6			without visible physical defects
Dimensions – material width	EAD 040016-01-0404 clause 2.2.5	mm	±1%	1000
Dimensions – material length	EAD 040016-01-0404 clause 2.2.5	mm	±1%	50000
Mesh dimensions (MD x CMD)	EAD 040016-01-0404 clause 2.2.4	mm		4 x 5
Total weight per unit area	EAD 040016-01-0404 clause 2.2.8	g/m ²	±5%	160
Tensile strength under normal storage conditions - MD	EAD 040016-01-0404 clause 2.2.7	N/5 cm	±1%	Min. 1600
Tensile strength under normal storage conditions - CMD	EAD 040016-01-0404 clause 2.2.7	N/5cm	±1%	Min 2200
Elongation at break under normal storage conditions - MD	EAD 040016-01-0404 clause 2.2.7	% min.		Min 3.5
Elongation at break under normal storage conditions - CMD	EAD 040016-01-0404 clause 2.2.7	% min.		Min 4

Tensile strength after 24 hours in alkaline solution at T = +60°C - MD	EAD 040016-01-0404 clause 2.2.7	N/5 cm	Min. 1000 N/5 cm and at least 50% from the initial tensile strength
Tensile strength after 24 hours in alkaline solution at T = +60°C - CMD	EAD 040016-01-0404 clause 2.2.7	N/5 cm	Min. 1000 N/5 cm and at least 50% from the initial tensile strength
Fire reaction class	EAD 040016-01-0404 clause 2.2.1		F (without determined performance)

*MD = Machine Direction; CMD = Cross Machine Direction;

CERTIFICATIONS

Manufacturer **BICO INDUSTRIES S.A.** has implemented an integrated management system: quality, environment, occupational health and safety, according to **ISO 9001, ISO 14001 and ISO 45001** - **AEROQ** certificates.

CLASSIFICATION ACCORDING TO CHEMICAL STANDARDS. POSSIBLE RISKS, PREVENTION REQUIREMENTS

Fiberglass mesh does not require marking and is not a dangerous product.

According to Regulation (EC) no. 1907/2006 of the European Parliament and of the Council, fiberglass reinforcement does not require the safety data sheet.

SPECIFIC CONDITIONS, STORAGE, TRANSPORTATION

- ✓ **Specific conditions:** it is recommended to be stored in clean, dry places, at temperatures between -5°C and 30°C, protected from the direct radiation of any heat source or from the direct action of the sun's rays;
- ✓ **Storage:** to be stored in rolls positioned vertically, in covered and appropriate storages;
- ✓ **Transportation:** the rolls of fiberglass mesh, positioned vertically on pallets, are being transported with adequate and covered transportation.



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