TECHNICAL DATA SHEET

BICO Fiberglass mesh 145 g/m^2

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 145 g/m^2 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 145 g/m^2 is used as a reinforcing element for external thermal insulation system (ETICS) based on mineral wool, expanded polystyrene or other type 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		5 x 5
Total weight per unit area	*EAD 040016-01-0404 clause 2.2.8*	g/m^2	±5%	145
Tensile strength under normal storage conditions - *MD*	*EAD 040016-01-0404 clause 2.2.7*	N/5 cm	±1%	Min. 1500
Tensile strength under normal storage conditions - *CMD*	*EAD 040016-01-0404 clause 2.2.7*	N/5 cm	±1%	Min. 1850
Elongation at break under normal storage conditions - *MD*	*EAD 040016-01-0404 clause 2.2.7*	% min.		Min 3,2
Elongation at break under normal storage conditions - *CMD*	*EAD 040016-01-0404 clause 2.2.7*	% min.		Min 3,8

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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% of the initial tensile
Tensile strength after 24 hours in alkaline solution at T = +60°C - *CMD*	*EAD 040016-01-0404 clause 2.2.7*	N/ 5cm	Min 1000 N/5 cm and at least 50% of the initial tensile
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, the fiberglass mesh 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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