

TECHNICAL DATA SHEET

BICO Fiberglass mesh 90 g/m²

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 90 g/m² gives strength in the mass of the spacing and is used as a reinforcement element for surfaces with a thin layer of plaster.

DESTINATION AND FIELD OF USE

- ✓ Fiberglass mesh with a weight of 90 g/m² is used as a reinforcement element for interior plaster on vertical and horizontal surfaces;
- ✓ Is used, in particular, when the finish is gypsum-based and in the case of interactions between materials with different coefficients of expansion, evenly distributing the stresses to which they are subjected.

TECHNICAL CHARACTERISTICS

CHARACTERISTICS	TESTING METHOD	UNITS	TOLERANCE	VALUES
Appearance of fiberglass mesh	SR EN ISO 7823-1:2003			without visible physical defects
Dimensions – material width	SR EN ISO 7823-1:2003	mm	±1%	1000
Dimensions – material length	SR EN ISO 7823-1:2003	mm	±1%	50000
Total weight per unit area	SR 137-95	g/m ²	±5%	90
Tensile strength under normal storage conditions - MD	SR EN 13496:2014	N/5 cm	±1%	min. 1100
Tensile strength under normal storage conditions - CMD	SR EN 13496:2014	N/5 cm	±1%	min. 800
Elongation at break under normal storage conditions - MD	SR EN 13496:2014	% min.		Min 3
Elongation at break under normal storage conditions - CMD	SR EN 13496:2014	% min.		Min 3
Tensile strength after 24 hours in alkaline solution at T = +60°C - MD	SR EN 13496:2014	N/5 cm		Min 50% of the initial tensile
Tensile strength after 24 hours in alkaline solution at T = +60°C - CMD	SR EN 13496:2014	N/ 5cm		Min 50% of the initial tensile

Fire reaction class

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.



Form code: F.PO-09.7.1/0

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