

## TECHNICAL DATA SHEET

### FIBERGLASS MESH 90 g/m<sup>2</sup> – BICOMesh

TECHNICAL AGREEMENT NR. 001SC-04/719-2018

## DESCRIPTION

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

Fiberglass mesh with a weight of 90 g/m<sup>2</sup> is a significant element in the insulation system, being used as a reinforcing element for surfaces with a thin layer of plaster. It also gives strength to walls rendering and plastering.

## DESTINATION AND FIELD OF USE

- ✓ Fiberglass mesh with the weight of 90 g/m<sup>2</sup> is used as reinforcing element for interior plasters on vertical and horizontal surfaces;
- ✓ It is applied especially when the finish is based on gypsum and in case of interactions between materials with different expansion coefficients, 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 <sup>2</sup>	±5%	90
Tensile strength under normal storage conditions - MD	SR EN 13496:2014	N/5 cm	±1%	978
Tensile strength under normal storage conditions - CMD	SR EN 13496:2014	N/5 cm	±1%	1115
Elongation at break under normal storage conditions - MD	SR EN 13496:2014	% min.		5
Elongation at break under normal storage conditions - CMD	SR EN 13496:2014	% min.		5
Tensile strength after 24 hours in alkaline solution at T = +60°C - MD	SR EN 13496:2014	N/5 cm		465
Tensile strength after 24 hours in alkaline solution at T = +60°C - CMD	SR EN 13496:2014	N/5 cm		561

Fire reaction class

F (without  
determined  
performance)

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

## CERTIFICATIONS

The manufacturer **S.C. BICO INDUSTRIES S.A.** has implemented an integrated management system: quality, environment, occupational health and safety, according to **ISO 9001, ISO 14001** and **SR OHSAS 18001** - 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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