

TECHNICAL DATA SHEET

Fiberglass mesh 145 g/m² – HITROM

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

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).

The fiberglass mesh with a weight of 145 g/m² confers resistance to the wall rendering and a lifetime equal to that of the plasters it reinforce.

DESTINATION AND FIELD OF USE

- ✓ Fiberglass mesh with the weight of 145 g/m² is used as 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 facades renovations.

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%	145
Tensile strength under normal storage conditions	SR EN 13496:2014	N/5 cm	±1%	1512
- MD				
Tensile strength under normal storage conditions	SR EN 13496:2014	N/5 cm	±1%	1867
- CMD				
Elongation at break under normal storage conditions	SR EN 13496:2014	% min.		5
- MD				
Elongation at break under normal storage conditions	SR EN 13496:2014	% min.		5
- CMD				
Tensile strength after 24 hours in alkaline solution at T = +60°C	SR EN 13496:2014	N/5 cm		864
- MD				
Tensile strength after 24 hours in alkaline solution at T = +60°C	SR EN 13496:2014	N/5 cm		965
- CMD				

Fire reaction class

F (without
determined
performance)

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

CERTIFICATIONS

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, 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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