

TECHNICAL DATA SHEET

FIBERGLASS REINFORCEMENT 85 g/m² – BICOtwin

DESCRIPTION

The 85 g/m² fiberglass reinforcement – BICOtwin is produced by lamination process of our fiberglass laid scrim (BICOscrim) on a glass nonwoven.

DESTINATION AND FIELD OF USE

- ✓ The 85 g/m² fiberglass reinforcement – BICOtwin is specially designed for the reinforcement of bituminous and synthetic roofing and waterproofing membranes, used in both industrial and civil buildings.

TECHNICAL CHARACTERISTICS

| CHARACTERISTICS | UNIT | MINIMUM VALUE | NOMINAL VALUE |
|-----------------------------------------------------|------------------|---------------|----------------------------------|
| Appearance of fiberglass reinforcement | | | without visible physical defects |
| Total weight | g/m ² | 80 | 85 |
| Glass veil weight | g/m ² | | 35 |
| Coating type | | | SBR / Acrylic |
| Total L.O.I | % | | 20 |
| Yarn Type | tex | | 68 / 68 |
| - MD / CMD | | | |
| Density of fiberglass BICOscrim | yarns/10cm | | 25 / 25 ±1 |
| MD / CMD | | | |
| Dimensions – material width | mm | | 1000 – 2200 ±1% |
| Dimensions – material length | m | 1600 ±1% | 2500 ±1% |
| Dimensions – roll diameter | mm | 800 | 1200 |
| Dimensions – cardboard core diameter | mm | | 152,6 |
| Tensile strength under normal storage conditions | N/5 cm | 600 ±1% | 650 ±1% |
| - MD | | | |
| Tensile strength under normal storage conditions | N/5 cm | 600 ±1% | 650 ±1% |
| - CMD | | | |
| Elongation at break under normal storage conditions | % min. | | 4 |
| - MD | | | |
| Elongation at break under normal storage conditions | % min. | | 3,5 |
| - CMD | | | |
| Thickness | mm | | 0,57 |

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

PROPERTIES

- ✓ High dimensional stability (*guarantees the same tensile strength both on machine direction and cross machine direction*);
- ✓ High resistance to delamination;
- ✓ **Fiberglass reinforcement – BICOtwin** substantially improves the mechanical strength of the finished product in which it is integrated;
- ✓ Increases puncture resistance;
- ✓ Alkali resistant;
- ✓ Excellent flatness that allows a uniform impregnation in the rolling process;
- ✓ Root-proof and UV resistant;
- ✓ Chemically inert and non-toxic.

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 REGULATIONS. POSSIBLE RISKS, PREVENTION REQUIREMENTS

Fiberglass reinforcement 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 a safety data sheet.

SPECIFIC CONDITIONS, STORAGE, TRANSPORTATION

- ✓ **Specific conditions:** the storage should be organized in clean and dry places, at temperatures between 5°C and 30°C, protected for direct radiation of any source of heat or by the direct action of sunlight;
- ✓ **Storage:** it should be stored in rolls positioned vertically, in suitable and covered places;
- ✓ **Transportation:** it should be organized in rolls, positioned vertically on pallets, with suitable and covered trucks.