

## EnveoTherm Mesh 117

### FIBERGLASS MESH

#### *Area of application*

- Mandatory component of ETIC systems
- Facade render reinforcement
- Interior plaster reinforcement

Thanks to the balanced construction, high tensile strength and alkali resistance EnveoTherm R117 prevents any potential crack creation and by that protects the whole system from water infiltration and mould development. The life time of any system is by that prolonged to maximum.

EnveoTherm Mesh 117 is one of our best selling meshes and is used in EnveoTherm ETICS systems. Product is designed to meet main quality requirements and standard for glassfibre meshes:

- CE certified since 2013
- regularly audited and tested by main European laboratories CSTB, DiBT, TZUS

#### **Product benefits:**

- made from E-glass
- alkali resistant coating
- high tensile strength
- dimensionally stable



### Technical characteristics

BASIC PARAMETERS	UNIT	PERFORMANCE
Mass per unit area	g/m <sup>2</sup>	147 ± 5%
Mesh opening warp/weft	mm	(4,0/4,5) ± 0,5
Thickness	mm	0,55 ± 0,1
Technical specification	EAD 040016-01-0404	

### General information

BASIC PARAMETERS	UNIT	PERFORMANCE
Standard width	cm	110 ± 1%
Standard length	m	min 50
Treatment type	alkaliresistant without emollient, obstructing yarn drifting	
Technical specification	Customer Acceptance Standard	

### Tensile strength and elongation

UNIT	PERFORMANCE
Tensile strength in the 'as-delivered' state warp/weft, N/50mm:	min 1900/min 1800
Average tensile strength in the 'as-delivered' state warp/weft, N/50mm:	min 2100/min 2000
Elongation in the 'as-delivered' state, %:	max 5/max 5
Tensile strength after 28 days alkali conditioning warp/weft, N/50mm; %:	min 1000/min 1000; min 50/min 50
Average tensile strength after 28 days alkali conditioning warp/weft, N/50mm:	min 1400/min 1300
Elongation after 28 days alkali conditioning warp/weft, %:	max 3,5/max 3,5
Technical specification:	EAD 040016-01-0404

### Installation

1. Firstly, corner and window profiles should be correctly applied on the prepared surface. Then install the 30 × 50 cm mesh strips diagonally to avoid cracking.
2. Apply the first layer of base coat over the entire surface.
3. Apply the mesh from the top to the bottom

of the wall by pressing it into the first layer of the base coat (starting from the centre then out to the side).

4. The overlap between the two mesh strips should be a minimum of 10 cm to ensure continuity of reinforcement.
5. Apply the rest of the base coat keeping the mesh in the upper third.

## Warranty

Products are carefully checked before leaving our factory. They must also be checked before final installation.

Any claim should be accompanied with the roll label, closing sticker with identification barcode and a sample featuring the defect.

## Storage

Unless agreed otherwise, individual packaging units can be stacked. The glass-fibre fabric must be stored in the original packaging in a dry environment. As the producer we recommend protecting the packaging from direct sunlight. The recommended storage temperature is between -10 to +50 °C.

## Packaging

- packed in rolls
  - typical size 1,1 × 50 m
  - protected in plastic foil
  - tubeless packaging
- boxes stacked on standard pallets 120 x 80 cm
- 35 rolls/pallet for efficient transportation

## Certification

European Technical Assessment – CE mark

The glass fibre mesh fabric we offer in EnveoTherm ETICS is certified and marked with a CE mark. Generally, there is no harmonized standard for glass fibre mesh fabrics. Therefore, certification is based on a European Assessment

Document (EAD). The EAD documents the methods and criteria adopted by the European Organization for Technical Assessment (EOTA). The methods stipulate the criteria for assessing the properties of a construction product based on its' essential characteristics. A European Technical Assessment (ETA) is then issued, based on the EAD and leads to CE marking on the product itself.

Environmental Product Declaration - EPD

Our latest EPD was issued in 2023 in accordance with ISO 14025:2006 and EN 15804+A2:2019 valid until 2028.



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Technical information stated herein as well as recommendations are based on our knowledge and experience in cases when the product is properly stored, used, transported and when handled in regular conditions. The buyer, or the user of the product is advised to test the product, if it is suitable for use for intended purpose. Considering the fact, we do not have influence on the circumstances of product use and handling, we shall not be liable for consequences occurring from irregular use. The buyer, or the user of the product shall be liable in case the product is kept, transported, installed and used contrary to instructions, purpose and properties and information on product safety, as well as after stated expiration date for product use. Our team of experienced experts provides advice in phases of planning and application of our products. Visit to the construction site and demonstration of application of our products may be organized at request. Complaints submitted after the completion of work will not be accepted. Contact our technical team and find out more on our products on the website [www.saint-gobain.rs](http://www.saint-gobain.rs). This technical data sheet is valid from 01.03.2025 and supersedes all previous versions for this product.