

EnveoTherm Mesh 3F

FIBERGLASS MESH

Area of application

EnveoTherm Mesh 3F was designed especially as a mandatory component of ETIC system. It saves the time of the installers because it enables to omit the step of diagonal reinforcement. This is not only faster but also helps to achieve easily flat surface of your facade. Product was tested in lab as well as on construction site. This specific approach was certified by ETA 21/0760, point 9.

Thanks to the triaxial construction, balanced tensile strength in all 3 directions and alkali resistance EnveoTherm Mesh 3F 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.

Apply EnveoTherm Mesh 3F in exactly the same way as any other mesh, but thanks to its tri-directional yarns, without the need for diagonal mesh strips around openings.

Product benefits:

- made from E-glass
- alkali resistant coating
- triaxial laid fabric
- patented and CE certified



Technical characteristics

BASIC PARAMETERS	UNIT	PERFORMANCE
Mass per unit area	g/m ²	166 ± 5%
Mesh opening warp/weft	mm	(6,5/6,5/6,5) ± 1
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 1700
Elongation in the 'as-delivered' state, %:	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 1000/min 50
Elongation after 28 days alkali conditioning warp/weft, %:	max 5,0
Technical specification:	EAD 040016-01-0404

Installation

1. Firstly, corner and window profiles should be correctly applied on the prepared surface.
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. Cut off at the openings.

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
- 30 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.



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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. This technical data sheet is valid from 01.03.2025 and supersedes all previous versions for this product.