

Fiberglass mesh R275 A101

Product description

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

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 DiBT, TZUS



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Typical use

R275 A101 is impact resistant reinforcement mesh (Panzergewebe), ideal to strengthen areas where the facade is more susceptible to damage, typically surface around garage doors. In specific cases – such as repairs of cracked walls – a double layer is recommended.

Typical applications:

- Renovation of cracked walls
- Areas more susceptible to damage
- Socles



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Technical characteristics

Basic parameters	Unit	Performance	Technical specification
Mass per unit area	g/m ²	348 ± 5%	EAD 040016-01-0404
Mesh opening warp/weft	mm	(6,0/6,0) ± 0,5	
Thickness	mm	0,8 ± 0,1	

General information	Unit	Performance
Standard width	cm	100 ± 1%
Standard length	m	min 50
Treatment type	alkaliresistant without emollient, obstructing yarn drifting	

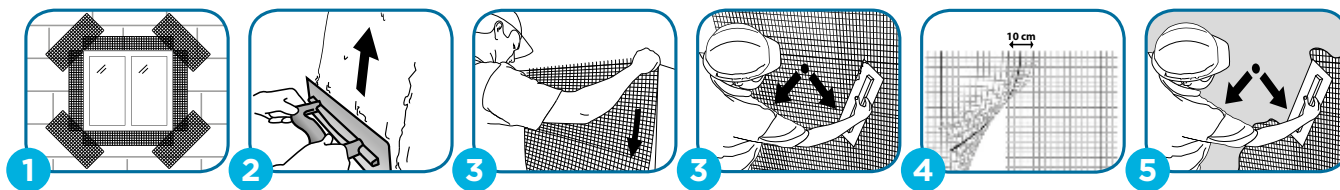
Other type of treatments and dimensions upon request.

Tensile strength and elongation	Unit	Performance	Technical specification
Tensile strength in the 'as-delivered' state warp/weft	N/50mm	min 4000/min 4500	EAD 040016-01-0404
Average tensile strength in the 'as-delivered' state warp/weft	N/50mm	min 4400/min 5000	
Elongation in the 'as-delivered' state	%	max 5/max 5	
Tensile strength after 28 days alkali conditioning warp/weft	N/50mm %	min 2000/min 2250 min 50/min 50	
Average tensile strength after 28 days alkali conditioning warp/weft	N/50mm	min 2500/min 3000	
Elongation after 28 days alkali conditioning warp/weft	%	max 3,8/max 3,8	

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Installation

ADFORS Vertex® Mesh



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.

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Packaging

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

Certification

European Technical Assessment – CE mark

The glass fibre mesh fabrics we produce for ETICS are 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.

 	
European Technical Assessment	
ETA 13/0392 of 18/02/2019	
General Part	
Technical Assessment Body issuing the European Technical Assessment: Technical and Test Institute for Construction Prague	
Trade name of the construction product:	R 116 A101, R 117 A101, R 121 A101, R 122 A101, R 123 A101, R 128 A101, R 131 A101, R 131 A101C, R 131 A101C+, R 137 A101, R 140 A101N, R 148 A101, R 189 A101, S 182 A101, R 163 A101, R 185 A101, R 170 A101, R 178 A101, R 178 A101C+, R 207 A101, R 275 A101, R 328 A101, R 451 A101, R 565 A101 - glass fibre mesh for reinforcement of cement based renderings
Product family to which the construction product belongs:	Product area code: 4 Thermal insulation products: Composite insulating systems
Manufacturer:	SAINT-GOBAIN ADFORS CZ s.r.o. 106 Sokolovská 570 01 Litomyšl Czech Republic
Manufacturing plant(s):	SAINT-GOBAIN ADFORS CZ s.r.o. 106 Sokolovská 570 01 Litomyšl Czech Republic
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This version replaces:	ETA 13/0392 issued on 02/07/2018
TZUS 060-04190	