Technical Data Sheet

Fiberglass mesh R131 A101 C+

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 CSTB, TZUS

SAINT-GOBAIN ADFORS CZ
Sokolovská 106, 570 01 Litomyšl
Tel.: +420 461 651 111
www.eu.adfors.com

Technical Data Sheet Number: F25
Issued: 10. 9. 2024

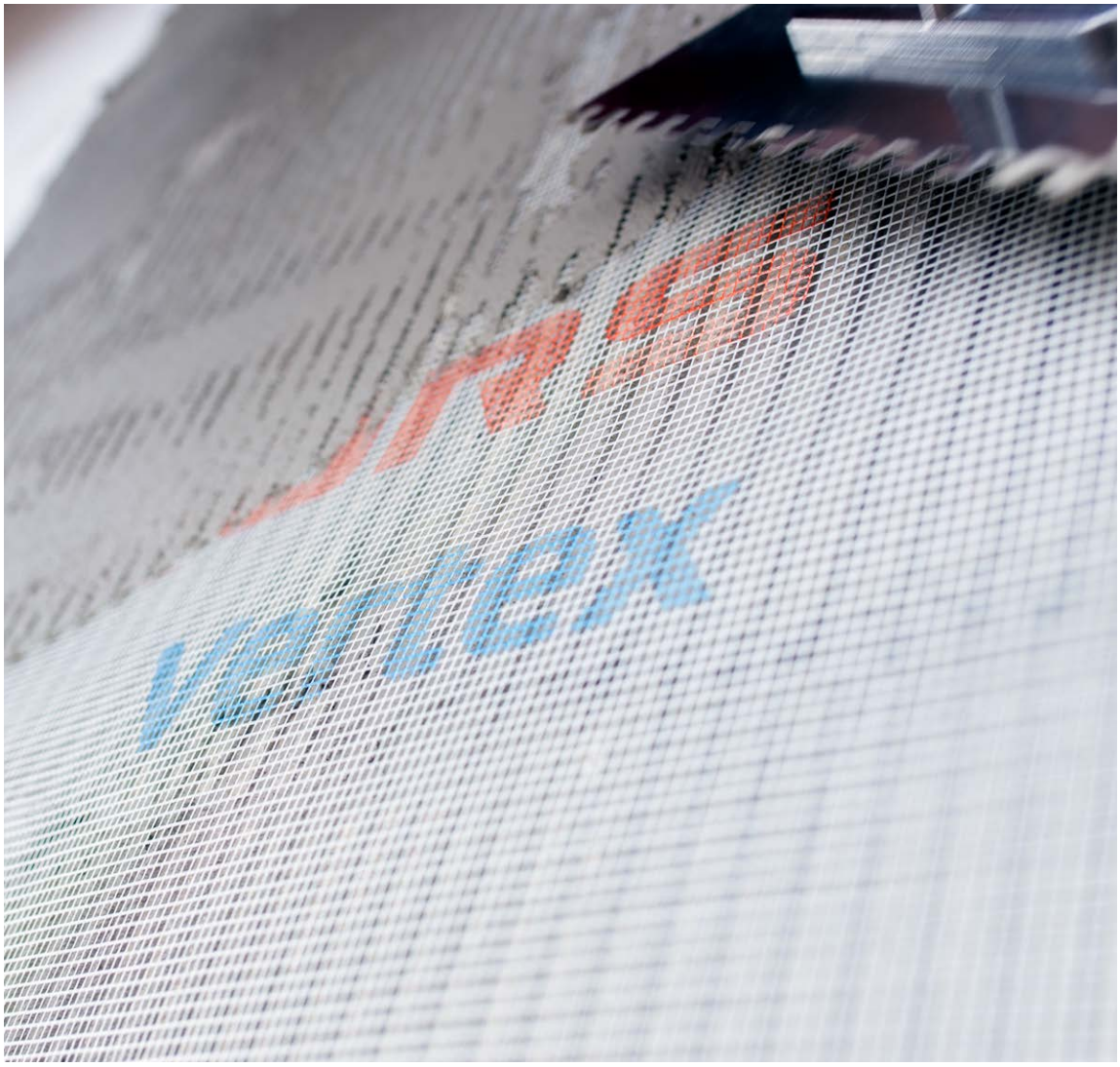
Technical
Data Sheet

Fiberglass mesh
R131 A101 C+

Typical use

R131 A101 C+ is used as a mandatory component of ETIC systems.

Thanks to the balanced construction, high tensile strength and alkali resistance R131 A101 C+ 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.



SAINT-GOBAIN ADFORS CZ
Sokolovská 106, 570 01 Litomyšl
Tel.: +420 461 651 111
www.eu.adfors.com
Technical Data Sheet Number: F25
Issued: 10. 9. 2024

Technical Data Sheet

Fiberglass mesh R131 A101 C+

Technical characteristics

Basic parameters	Unit	Performance	Technical specification
Mass per unit area	g/m²	163 ± 5%	EAD 040016-01-0404
Mesh opening warp/weft	mm	(3,5/3,8) ± 0,5	
Thickness	mm	0,55 ± 0,1	

General information	Unit	Performance	Technical specification
Standard width	cm	110 ± 1%	Customer Acceptance Standard
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	Performances	Technical specification
Tensile strength in the 'as-delivered' state warp/weft	N/50mm	min 2000/min 2000	EAD 040016-01-0404
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	
Elongation after 28 days alkali conditioning warp/weft	%	max 3,8/max 3,8	
Tensile strenght after alkali conditioning warp/ weft	N/50mm	min 1250/min 1250	EN ISO 13496 (24 hours)
Elongation after alkali conditioning	%	max 3,8/max 3,8	EN ISO 13496 (24 hours)
Tensile strength after cement conditioning (90 days)	N/50mm %	min 750/min 750 min 40/min 40	CSTB standard
Tensile strength measured at 0,5% elongation	N/mm	2–5	CSTB standart

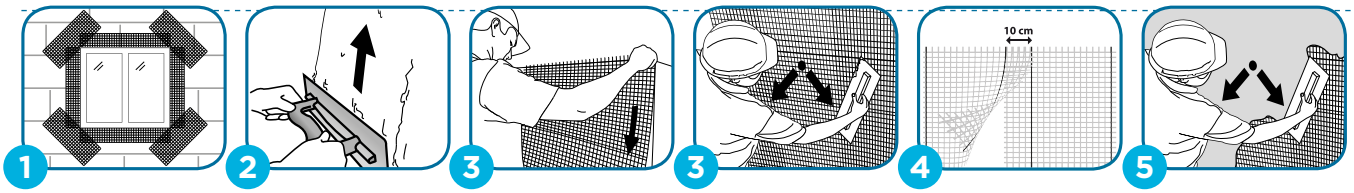
SAINT-GOBAIN ADFORS CZ
Sokolovská 106, 570 01 Litomyšl
Tel.: +420 461 651 111
www.eu.adfors.com
Technical Data Sheet Number: F25
Issued: 10. 9. 2024

Technical Data Sheet

Fiberglass mesh R131 A101 C+

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 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

SAINT-GOBAIN ADFORS CZ
Sokolovská 106, 570 01 Litomyšl
Tel.: +420 461 651 111
www.eu.adfors.com

Technical Data Sheet Number: F25
Issued: 10. 9. 2024

Technical Data Sheet

Fiberglass mesh R131 A101 C+

Certification

European Technical Assessment – CE mark

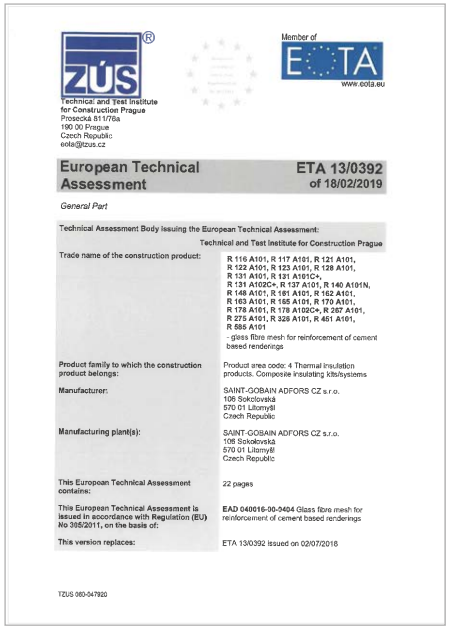
The glass fibre mesh fabrics we produce for ETICS are certified and marked with a CE mark. Generally, there is no harmonized standard for glass fibre mesh fabrics. Therefore, certification is based on a European Assessment Document (EAD). The EAD documents the methods and criteria adopted by the European 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.

Enviromental Product Declaration - EPD

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

Centre Scientifique et Technique du Bâtiment - CSTB

This certified conform to the reference system requirements by CSTB (Classement TRaME certifié T3 Ra1 M2 E2). Our latest CSTB certification was issued in 2024.



ZÚS
Technical and Test Institute for Construction Prague
Prosecká 811/76a
190 00 Prague
Czech Republic
eota@tzus.cz

Member of EOTA
www.eota.eu

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 A102C+, R 137 A101, R 140 A101N, R 148 A101, R 161 A101, R 162 A101, R 163 A101, R 165 A101, R 170 A101, R 176 A101, R 178 A102C+, R 287 A101, R 275 A101, R 328 A101, R 461 A101, R 885 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 kits/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
This European Technical Assessment contains:	22 pages
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:	EAD 040016-00-0404 Glass fibre mesh for reinforcement of cement based renderings
This version replaces:	ETA 13/0392 issued on 02/07/2018

TZUS 060-047920

EPD®
THE INTERNATIONAL EPD® SYSTEM

ECO PLATFORM
EPD VERIFIED

ENVIRONMENTAL PRODUCT DECLARATION
In accordance with ISO 14025:2006 and EN 15804+A2:2019 for

Vertex mesh
from: SAINT-GOBAIN ADFORS CZ, s.r.o

Version 2
Date of revision: 2023-07-06
Date of issue: 2023-03-31
Validity: 5 years
Valid until: 2028-03-30

Scope of the EPD®: Europe

Programme: The International EPD® System, www.environdec.com

Programme operator: EPD International AB

Production plant: Litomyšl
Sokolovská 106, Litomyšl 570 01, Czech Republique (Czech Republic)

EPD VERIFIED

ADFORS SAINT-GOBAIN

Registration number
The International EPD®
System: S-P-08932

Certificat Certificate

Référentiel de certification / Certification reference system
Q812 - Treillis en fibre de verre pour enduit de façade / Glass fiber mesh for facade coatings

N° **07-04 V2**

QB

Le CSTB accorde le droit d'usage de la marque QB à la société :
CSTB grants the right to use the QB Mark to the company:

Nom du titulaire / Holder name: **SAINT GOBAIN ADFORS CZ SRO**
106 SOKOLOVSKA
57021 LITOMYSL
République tchèque

Site / Site: **SAINT GOBAIN ADFORS CZ SRO**
106 SOKOLOVSKA
57021 LITOMYSL
République tchèque

Pour les produits listés ci-après, certifiés conformes aux exigences du référentiel de certification, par le CSTB.
For the products listed below, certified conform to the certification reference system requirements by CSTB

Désignation / Name: **R 131 A 101 C+**
Conformité / Conformity: **Classement TRaME certifié T3 Ra1 M2 E2**

CSTB le futur en construction

La validité de ce certificat et la liste des produits certifiés sont vérifiables sur le site Internet ou en flashant le QR-code ci-contre :
The validity of this certificate and the certified product list can both be checked on the website or by flashing the QR-Code:
https://evaluation.cstb.fr

Décision de Certification / Certification decision N° **07-04 V2** du **01/08/2024**
Cette décision se substitue à la décision / This decision replaces the decision N° **07-04-V1** du **29/06/2023**
Décision d'admission initiale / Admission decision N° **36-07-04** du **21/03/2011**

Président du CSTB
Etienne CREPON

Fait à : **Marne-la-Vallée, France.**
Done at
Date : **23/08/2024**
Date

CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT - ORGANISME CERTIFICATEUR
84 avenue Jean Jaurès – Champs-sur-Marne – 77447 Marne-la-Vallée Cedex 2
Tél. (33) 01 64 68 82 82 – Fax (33) 01 64 68 89 94 – www.cstb.fr

CSTB le futur en construction

SAINT-GOBAIN ADFORS CZ
Sokolovská 106, 570 01 Litomyšl
Tel.: +420 461 651 111
www.eu.adfors.com

Technical Data Sheet Number: F25
Issued: 10. 9. 2024

SAINT-GOBAIN