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according to the ČSN EN ISO/IEC 17065:2013
Certification schemes TZUS-1a (based on the scheme 1A by ČSN EN ISO/IEC 17067:2014, based on testing)
Branch 0800 – FIRE SAFETY

REACTION TO FIRE

REPORT

in accordance with EN 13501-1:2018

080-027145

Product Name:

Fiberglass Membrane

carried out on the basis of test report No. 010-050049 and No. 020-053201

Order No:	Z 080250002
Classification report No.:	PKP – 25 - 130
Applicant:	Fibercell Technologies LLC Georgia, Tbilisi, Omar Khizanisvili Street, 264, (Free Industrial zone of Tbilisi Technological Park)
Plant:	Fibercell Technologies LLC Georgia, Tbilisi, Omar Khizanisvili Street, 264, (Free Industrial zone of Tbilisi Technological Park)
Ordering Party:	Notified Body 1020, Technical and Test Institute for Construction Prague, SOE, Branch 0100 – Prague, Prosecká 811/76a, 190 00 Praha 9, Czech Republic
Prepared by:	Technical and Test Institute for Construction Prague, SOE Branch 080 – Fire Safety Prosecká 811/76a, 190 00 Praha 9 – Prosek, Czech Republic

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1. Introduction

1.1. This Classification Report determines the classification of a product called **Fiberglass Membrane** in accordance with the procedures in EN 13501-1:2018.

1.2. Normative backgrounds (including changes):

- EN 13501-1: Fire classification of construction products and building structures - Part 1: Classification according to the results of reaction to fire tests (2018)
- ČSN EN ISO 1182: Reaction to fire tests for products - non-combustibility test (1/2023)
- ČSN EN ISO 1716: Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value) (10/2018)
- ČSN EN 13238: Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates (6/2010)
- ČSN P CEN/TS 15117: Guidance on direct and extended application (2/2006)

2. Description of the construction product

2.1. Generally

Product – Fiberglass Membrane is defined according to the relevant technical data.

2.2. Description

Reinforced, vapor-permeable membrane designed for roof systems needing enhanced weather protection and strength. It is used in ventilated facades and pitched roofs to protect the insulation layer from wind exposure and fiber erosion.

Composition: Fiberglass fabric, waterproof coating

Thickness: 0.2 mm

Mass per unit area: 200 g/m^2

Organic content: 1.9 %

Facing: Waterproof coating

Product use:

- Wind and moisture protection of the insulation layer in pitched roof constructions and ventilated facade systems.
- Production of non-combustible fiberglass roll materials used as a top layer for insulating pipelines, both indoors and outdoors.
- Use as facing and stitching materials in the manufacturing of thermal insulation and fire-protection products.
- Thermal, acoustic, and chemical insulation of industrial equipment and building structures, as a protective layer or for other technical purposes.

The product is fully described in the test report in support of classification listed in clause 3.1

3. Protocols and results used for this classification

3.1. Protocols

No.	Name of the laboratory	Name of the Manufacturer	Protocol No. Date of issue	Test method and date Application rules area and date
[1]	TZÚS Praha, s.p., branch 0100 – Prague AZL. Č. 1018.3	Fibercell Technologies LLC Georgia, Tbilisi, Omar Khizanisvili Street, 264, (Free Industrial zone of Tbilisi Technological Park)	010-050049 (2025-11-21)	ČSN EN ISO 1182

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[2]	TZUS Prague, s.p., Branch 0200 – ČB AZL 1018.3	Fibercell Technologies LLC Georgia, Tbilisi, Omar Khizanisvili Street, 264, (Free Industrial zone of Tbilisi Technological Park)	020-053210 (2025-12-02)	ČSN EN ISO 1716

3.2. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – average	Compliance the parameters
ČSN EN ISO 1182	$\Delta T \leq 30$ °C	5	10.23	≤ 30 (A1)
	$\Delta m \leq 50$ %	5	6.86	≤ 50 (A1)
	$t_f = 0$ s	5	0	= 0 (A1)
ČSN EN ISO 1716	PCS ≤ 2.0 MJ/kg	3	0.35	≤ 2 (A1)

4. Classification and area of direct application

4.1. Classification links

This classification was carried out in accordance with EN 13501-1:2018.

4.2. Classification

Fiberglass Membrane is classified according to its reaction to fire:

A1

The additional classification in relation to smoke production is:

no additional classification

The additional classification in relation to flaming droplets / particles is:

no additional classification

Modification of the reaction to fire classification for construction products and thermal insulating pipe products excluding floor coverings:

Fire behavior		Smoke production			Burning particles	
A1		s	not classified	,	d	not classified

Reaction to fire classification: A1

4.3. Application area

This classification applies to the following parameters:

- The product described in paragraph 2
- Lower organic matter content of the same type of binder

The classification applies to the following end use applications:

- Wind and moisture protection of the insulation layer in pitched roof constructions and ventilated facade systems.
- Production of non-combustible fiberglass roll materials used as a top layer for insulating pipelines, both indoors and outdoors.
- Use as facing and stitching materials in the manufacturing of thermal insulation and fire-protection products.

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- Thermal, acoustic, and chemical insulation of industrial equipment and building structures, as a protective layer or for other technical purposes.

5. Restrictions

This classification report is only valid as a whole, and each page must be provided by the identification number of the classification report, page number of the total number of pages and the stamp of the contractor.

This classification report does not replace any type approval or product certification.

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Prague, 02.12.2025