INTERNATIONAL JUDO FEDERATION
FÉDÉRATION INTERNATIONALE DE JUDO
FEDERACION INTERNACIONAL DE JUDO

OFFICIAL SUPPLIER CERTIFICATE

The International Judo Federation hereby certifies that

FEDERAL ECO FOAM BV

Product reference:

AGGLOREX IJF COMPETITION TATAMI

is an Official IJF Tatami Supplier of the
International Judo Federation

FROM 19 APRIL 2025 UNTIL 18 APRIL 2026

Marius L. Vizer
President
International Judo Federation

Digitally signed by Oțel Ion
Date: 2025.06.26 12:41:37 EEST
Reason: MoldSign Signature
Location: Moldova
MOLDOVA EUROPEANĂ

TFI-Report 24-000172-05

Classification

of the Reaction to Fire according to EN 13501-1:2018

Customer	Federal Eco Foam BV Nijverheidsweg 84 3920 Lommel
Prepared by	TFI Aachen GmbH Charlottenburger Allee 41 52068 Aachen
Notified Body No	1658
Product	“AGGLOREX TATAMI TYPE STANDARD 230/240 kg/m³, Flame retardant viny, 50 mm and 40 mm”

This report includes 5 pages.

Aachen, 27.03.2024 Dr. Jacqueline Lemm

The present document is provided with an advanced electronic signature.

This report only applies to the tested samples and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the “General Terms and Conditions for the Execution of Contracts” of the TFI Aachen GmbH, also with regard to the order execution.

TFI Aachen GmbH is a notified testing body (NB1658) under the EU Construction Products Regulation 305/2011 for the technical specifications EN 13813:2002, EN 14041:2004/AC:2006, EN 14342:2013, EN 14904:2006 and EN 15102:2007+A1:2011 and horizontally notified for fire tests according to EN ISO 9239-1 and EN ISO 11925-2.

The test result does not include any addition or deduction for uncertainties due to measurement, sample preparation, sample collection and production tolerances.

TFI Aachen GmbH
Charlottenburger Allee 41
52068 Aachen/Germany
www.tfi-aachen.de

HRB 8157 Aachen
USt-IdNr. DE209411312
Managing Director
Dr. Jacqueline Lemm

Responsible at TFI :

Ulrike Balg
+49 241 9679133
u.balg@tfi-aachen.de

1 Introduction

This classification report defines the classification assigned to the product/s “AGGLOREX TATAMI TYPE STANDARD 230/240 kg/m³, Flame retardant viny, 50 mm and 40 mm” in accordance with the procedures given in EN 13501-1:2018.

2 Details of classified product

2.1. General

The products “AGGLOREX TATAMI TYPE STANDARD 230/240 kg/m³, Flame retardant viny, 50 mm and 40 mm” are not subject to the Construction Products Regulation (EU) No.305/2011.

Notified Body No. 1658
Testing laboratory, inspection and certification body recognised by the DIBt (Deutsches Institut für Bautechnik)
ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-17152-01-00
Accredited for the methods indicated in the partial reports to the DAkkS certificate

TFI Aachen GmbH
Charlottenburger Allee 41
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3 Reports and results in support of this classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Report ref.no.	Test method and date Filed of application rules and date
TFI Aachen GmbH	Federal Eco Foam BV	24-000172-03 dated 27.03.2024	EN ISO 9239-1:2010
			EN ISO 11925-2:2020 (15 s ignition time)
TFI Aachen GmbH	Federal Eco Foam BV	24-000172-02 dated 27.03.2024	EN ISO 9239-1:2010
			-

3.2 Results

	Test method and test number	Parameter	No. Tests	Results	
				Continuous parameter mean (m)	Compliance with parameters
Product	EN ISO 9239-1:2010	Average critical heat flux (kW/m²)	3	3.6	Compliant
		Integrated smoke value (% x min)		1635	Compliant
	EN ISO 11925-2:2020	Flame tip ≤ 150 mm	6	-	Compliant

	Test method and test number	Parameter	No. Tests*	Results	
				Continuous parameter mean (m)	Continuous parameter mean (m)
Product	EN ISO 9239-1:2010	Average critical heat flux (kW/m²)	1	3.8	Compliant
		Integrated smoke value (% x min)		1116	Compliant
	EN ISO 11925-2:2020	Flame tip ≤ 150 mm	-	-	-

*Worse result for the average critical heat flux and the corresponding integrated smoke value from the Radiant Panel Test with a reduced number of samples.

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4 Classification and field of application

4.1 Reference of classification

The classification has been carried out in accordance with EN 13501-1:2018.

4.2 Classification

The products “AGGLOREX TATAMI TYPE STANDARD 230/240 kg/m³, Flame retardant viny, 50 mm and 40 mm” in relation to its reaction to fire behaviour are classified:

D_{fl}

The additional classification in relation to the smoke production is:

s2

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

-

The format of the reaction to fire classification for floorings is:

Fire behaviour		Smoke production	
D_{fl}	**-**	**s**	**2**

Classification of the reaction to fire: D_{fl} - s2

The measurement results are evaluated without consideration of the measurement uncertainty with reference to compliance with limit values, unless otherwise specified by the test standard.

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4.3 Field of application

This classification is valid for the following end use application:

Type of end use application	flooring
Substrate	noncombustible substrates (Euroclass A1 and A2-s1,d0) with a gross density ≥ 1350 kg/m³
Underlay for installation	no
Type of fixation	glued and unglued
Joint according to EN ISO 9239-1:2010	no

Limitations

This classification document does not represent type approval or certification of the product.

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AGGLOFOAM: Thermal insulation values

Agglofoam values λ

Density 80, thickness 17 mm.	value λ 0,038 W/mK
Density 80, thickness 22 mm.	value λ 0,039 W/mK
Density 80, thickness 25 mm.	value λ 0,039 W/mK
Density 80, thickness 45 mm.	value λ 0,039 W/mK
Density 100, thickness 50 mm.	value λ 0,039 W/mK
Density 120, thickness 50 mm.	value λ 0,040 W/mK

Comparison with other materials

Mineral Wools (MW)	value 0,031 – 0,040 W/mK
Polystyrene Foam (EPS)	value 0,029 - 0,039 W/mK
Polyurethane Foam (PIR – PUR)	value 0,021 – 0,029 W/mK
Extruded polystyrene Foam (XPS)	value 0,027 – 0,039 W/mK
Woodwool (WW)	value 0,036 – 0,043 W/mK

The values used here are from publications BUILDWISE 2023 in the context of recognised EPB product data and variations can be attributed to various product types and material thicknesses.