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Testing. Advising. Assuring.

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1:2007+A1: 2009.

Notified Body No:

0833

Product Name:

Aku Panel

Report No:

WF 385924

Issue No:

1

Prepared for:

Aku Holdings Ltd.
No.666 Jufeng Road
Suzhou, Jiangsu,China
PO 215008
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Date:

18th July 2017



1. Introduction

This classification report defines the classification assigned to **Aku Panel**, a polyester fibre acoustic panel, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, Aku Panel, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, Aku Panel, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

PET	General description	Polyester fibre acoustic panel 9mm thickness
	Generic type	Polyester
	Product reference	Aku Panel
	Name of manufacturer	Aku Holdings
	Thickness	9mm (stated by sponsor) 9.72mm(determined by Exova Warringtonfire)
	Weight per unit area	1.28kg/m ² (determined by Exova Warringtonfire)
	Colour	"Red"
	Flame retardant details	The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product
Mounting and fixing details		The specimens were tested clamped into a "window" frame manufactured from 5mm steel sheet.
Air space details		A 80mm ventilated cavity was situated between the reverse face of each specimen and the calcium silicate backing board (as specified in EN 13238: 2010)
Brief description of manufacturing process		Non woven

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Exova warringtonfire	Aku Holdings	WF 384608	EN ISO 11925-2
Exova warringtonfire	Aku Holdings	WF 384607	EN 13823

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (30s exposure - surface)	F _s	6	62.5	Compliant
	Flaming droplets/particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	38.3	Compliant
	Flaming droplets/particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	0.00	Compliant
	FIGRA _{0.4MJ}		0.00	Compliant
	THR _{600s}		0.20	Compliant
	LFS		None	Compliant
	SMOGRA		0.00	Compliant
	TSP _{600s}		8.75	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product, **Aku Panel**, a polyester fibre acoustic panel, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	1	,	d	0

i.e. **B – s1 , d0**

Reaction to fire classification: B – s1, d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Free standing construction applications

This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product weight per unit area	No variation allowed

5. Limitations

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

SIGNED

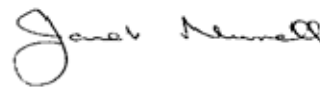


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Matthew Dale

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APPROVED



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on behalf of **Exova warringtonfire**

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