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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:

"AB300"

Report No:

WF 384142

Issue No:

1

Prepared for:

Aquabond Limited
Unit 5A Christleton Court
Manor Park
Runcorn
WA7 1ST

Date:

25th May 2017



1. Introduction

This classification report defines the classification assigned to "AB300", a PVC laminate adhered to a plasterboard substrate, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, "AB300", is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, "AB300", is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		PVC Laminate adhered to a plasterboard substrate
Product reference of overall composite		"AB300"
Name of manufacturer of overall composite		Aquabond Limited
Thickness of overall composite		12.11mm (determined by Exova Warringtonfire)
Weight per unit area of overall composite		8.12kg/m ² (determined by Exova Warringtonfire)
Thickness of film		See Note 1 below
Weight per unit area of film		See Note 1 below
PVC film (test face)	Generic type	PVC
	Product reference	See Note 1 below
	Name of manufacturer	See Note 1 below
	Thickness	See Note 1 below
	Density	See Note 1 below
	Colour reference	See Note 1 below
	Flame retardant details	See Note 2 below
Adhesive	Generic type	Aqueous acrylic pressure sensitive adhesive
	Product reference	See Note 3 below
	Name of manufacturer	See Note 3 below
	Colour reference	"Grey"
	Application thickness	See Note 1 below
	Application method	Gravure coating
	Flame retardant details	See Note 2 below
Curing process	Thermal	

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Substrate	Generic type	Plasterboard
	Product reference	"104123" (Wickes)
	Name of manufacturer	Knauf
	Thickness	12.5mm
	Density	640g/m ²
	Flame retardant details	See Note 2 below
Brief description of manufacturing process		See Note 3 below

Note 1: The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.

Note 2: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

Note 3: The sponsor was unwilling to provide this information.

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	Aquabond Limited	WF 383546	EN ISO 11925-2
Exova Warringtonfire	Aquabond Limited	WF 383644	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	35	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	40	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	191.69	Compliant
	FIGRA _{0.4MJ}		110.93	Compliant
	THR _{600s}		1.50	Compliant
	LFS		None	Compliant
	SMOGRA		10.65	Compliant
	TSP _{600s}		46.99	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, "AB300", a PVC laminate adhered to a plasterboard substrate, in relation to its reaction to fire behaviour is classified:

C

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	
C	-	s	1	,	d	0	

i.e. C – s1 , d0

Reaction to fire classification: C – s1, d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications used over any substrate with a density equal to or greater than 870kg/m³, having a minimum thickness of 12.5mm and a fire performance of A2 or better.
- ii) Product installed utilising an aqueous acrylic pressure sensitive adhesive.

This classification is also valid for the following product parameters:

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

5. Limitations

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

SIGNED

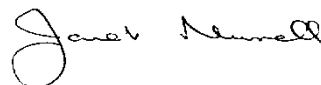


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Matthew Dale

Senior Certification Engineer
Technical Department

APPROVED



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Janet Murrell

Technical Manager
Technical Department
on behalf of **Exova Warringtonfire**

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