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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:

"Digimura Digital Print
Wallcovering"

Report No:

WF 406197

Issue No:

1

Prepared for:

Papergraphics Limited
Crompton Way
Crawley
West Sussex
RH10 9QR

Date:

6th November 2018

UKAS TESTING
0249

1. Introduction

This classification report defines the classification assigned to "Digimura Digital Print Wallcovering", in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, "Digimura Digital Print Wallcovering", a latex, digitally printed 'Room-High' woven wallcovering, is defined as being suitable for construction applications involving internally lining walls.

2.2 Product description

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

General description		Digitally printed 'Room-High' woven wallcovering – Latex adhered to a plasterboard substrate
Product reference of overall composite		"Digimura Digital Print Wallcovering"
Name of manufacturer of overall composite		**See Note 1 below**
Thickness of overall composite		12.75mm (determined by **Exova Warringtonfire**)
Weight per unit area of overall composite		8.47 kg/m^2 (determined by **Exova Warringtonfire**)
Thickness of wallcovering		0.35mm
Weight per unit area of wallcovering		370g/m^2
Ink	Product reference	"Latex"
	Colour	Any colour / pattern
	Generic type	Aqueous dispersed polymer
	Name of manufacturer / supplier	HP
	Application method	Inkjet
	Application rate	12ml/m^2
	Specific gravity	1.01-1.03
Coating	Generic type	PVC
	Product reference	**See Note 1 below**
	Name of manufacturer	**See Note 1 below**
	Colour reference	"Multi-coloured"
	Number of coats	**See Note 1 below**
	Application rate	**See Note 1 below**
	Specific gravity	**See Note 1 below**
	Application method	**See Note 1 below**
	Curing process per coat	**See Note 1 below**
	Trade name of flame retardant	**See Note 1 below**
	Generic type of flame retardant	**See Note 1 below**
	Amount of flame retardant	**See Note 1 below**

Continued on next page

Fabric	Generic type	Woven fabric
	Trade name	**See Note 1 below**
	Name of manufacturer	**See Note 1 below**
	Composition details	100% polyester
	Weight per unit area	170g/m^2
	Thickness	0.32mm
	Colour reference	"White"
	Type of weave	Plan Weave
	Thread count or threads per inch (TPI)	105x53 threads per inch
	Yarn count	100x300 dtex
	Flame retardant details	**See Note 2 below**
Adhesive	Generic type	PVA based
	Product reference	"Murabond Heavy"
	Name of manufacturer	**See Note 3 below**
	Application rate	200g/m^2
	Application method	Roller / brush
	Flame retardant details	**See Note 3 below**
Primer	Generic type	Polyvinyl acetate (PVA)
	Product reference	"Murabond PVA Primer"
	Name of manufacturer	**See Note 3 below**
	Application rate	25g/m^2
	Application method	Roller
	Flame retardant details	**See Note 3 below**
Substrate	Product reference	"Gyproc Wallboard"
	Generic type	Plasterboard
	Name of manufacturer	British Gypsum
	Thickness	12.5mm
	Density	700±100kg/m^3
Brief description of manufacturing process		**See Note 1 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 unable 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 Nos.	Test method
Exova warringtonfire	Papergraphics Limited	WF 404161	EN 13823
Exova warringtonfire	Papergraphics Limited	WF 404162	EN ISO 11925-2

3.2 Test results

Test method & test number		Parameter	No. tests	Results	
				Continuous parameter - (m)	Compliance parameters
EN ISO 11925-2	30s exposure - surface	F_s	6	60 mm	Compliant
		Flaming droplets/ particles		None	Compliant
	30s exposure – edge	F_s	6	40 mm	Compliant
		Flaming droplets/ particles		None	Compliant
EN 13823		$FIGRA_{0.2MJ}$	3	309.45 W/s	Compliant
		$FIGRA_{0.4MJ}$		231.08 W/s	Compliant
		THR_{600s}		4.46 MJ	Compliant
		SMOGRA		130.78 m^2/s^2	Compliant
		TSP_{600s}		146.34 m^2	Compliant
		Lateral Flame Spread to End of Specimen		None	Compliant
		Presence of Flaming Droplets		None	Compliant
		Flaming droplets exceeding 10s		None	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 and BS EN 15102: 2007 + A1: 2011.

4.2 Classification

The product, “Digimura Digital Print Wallcovering”, a latex, digitally printed ‘Room-High’ woven wallcovering, in relation to its reaction to fire behaviour is classified:

C

The additional classification in relation to smoke production is:

s2

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	2	,	d	0

i.e. C – s2 , d0

Reaction to fire classification: C – s2, d0

4.3 Field of application

This classification is valid for the following end use applications:

i. Construction applications- Interior wallcovering

ii. Construction applications used over any substrate with a density equal to or greater than 700kg/m³, having a minimum thickness of 12.5mm and a fire performance of A2-s1, d0 or better.

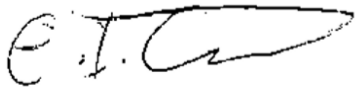
This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product density	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed
Product colour	Any colour
Coating application rate	No variation allowed

5. Limitations

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

SIGNED



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Euan Gardner
Junior Certification Engineer
Technical Department

APPROVED

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Matthew Dale
Senior Certification Engineer
Technical Department
on behalf of **Exova warringtonfire**