

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 Non-
Woven Wallcoverings"

Report No:

WF 391436

Issue No:

4

Prepared for:

Papergraphics Limited,
Diva Innovation Centre,
Crompton Way,
Crawley,
RH10 9QR

Date:

3rd November 2017

1. Introduction

This classification report defines the classification assigned to “Digimura Digital Print Non-Woven Wallcoverings”, a family of digitally printed non-woven wallcoverings, 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 Non-Woven Wallcoverings”, a family of digitally printed non-woven wallcoverings, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, “Digimura Digital Print Non-Woven Wallcoverings”, a family of digitally printed nonwoven wallcoverings, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description			Digitally printed non woven wallcovering adhered to a plasterboard substrate
Product reference of wallcovering			“Digimura Digital Print Non-Woven Wallcoverings”
Name of manufacturer			See Note 1 below
Overall thickness of composite			12.65mm
Overall weight per unit area of composite			8.45kg/m ²
Overall wallcovering thickness			243 - 380 microns (stated by sponsor)
Overall wallcovering weight per unit area			147- 180g/m ² (stated by sponsor)
Colour reference of wallcovering			Any
Wall covering	Coating	Product reference	The sponsor was unable to provide this information
		Generic type	
		Name of manufacturer	
		Application rate	
		Application method	
		Curing process	
		Flame retardant details	
	Backing	Product reference	The sponsor was unable to provide this information
		Generic type	
		Name of manufacturer	
		Thickness	
		Weight per unit area	
		Flame retardant details	
Adhesive	Product reference		“Murabond Heavy”
	Generic type		PVA based
	Name of manufacturer		The sponsor was unable to provide this information
	Application rate		200g/m ²
	Application method		Roller / Brush
	Flame retardant details		The sponsor was unable to provide this information

Continued on next page

Substrate	Product reference	"Gyproc Wallboard"
	Generic type	Plasterboard
	Name of manufacturer	British Gypsum
	Thickness	12.5mm
	Density	700±100kg/m ³
	Flame retardant details	The substrate is inherently flame retardant
Brief description of manufacturing process of wallcovering		Paper making of base paper and then a coating process for print coat and adhesive coating.

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.

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
warringtonfire	Papergraphics Limited	WF 384315	EN ISO 11925-2
warringtonfire	Papergraphics Limited	WF 384314	EN 13823
warringtonfire	Papergraphics Limited	WF 384318, WF 381321	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	60	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure – edge)	F _s	6	50	Compliant
	Flaming droplets/ particles		None	Compliant

EN 13823	FIGRA _{0.2MJ}	3	193.80 - 263.33	Compliant
	FIGRA _{0.4MJ}		144.08 - 205.55	Compliant
	THR _{600s}		1.70 - 1.85	Compliant
	LFS		None	Compliant
	SMOGR		0	Compliant
	TSP _{600s}		17.45 - 31.01	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, "Digimura Digital Print Non-Woven Wallcoverings", a family of digitally printed non-woven wallcoverings, 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

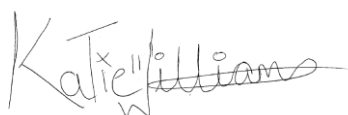
This classification is valid for the following end use applications:

- i) Construction applications used over any substrate with a density equal to or greater than 700kg/m^3 , having a minimum thickness of 12mm and a fire performance of A2 or better.
- ii) Installed using Murabond adhesive

This classification is also valid for the following product parameters:

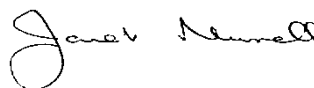
Product thickness	243 - 380 microns
Product weight per unit area	147- 180g/m ²
Product colour/pattern	Any
Product composition	No Variation Allowed
Product construction	No Variation Allowed

SIGNED



.....
Katie Williams
Junior Certification Engineer
Technical Department

APPROVED



.....
Janet Murrell
Technical Manager
Technical Department
on behalf of **Warringtonfire**

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Issue 2: 7th November 2017

Issue 3: Amended field of application in line with description table at request of sponsor.
K.Williams 31st January 2020

Issue 4: Corrected field of application. K.Williams. 6th February 2020