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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:

"Digital Print 2.1 Fabric
Backed Vinyl N/W"

Report No:

198245

Issue No:

1

Prepared for:

Muraspec, Tonbridge Road,
East Peckham, Tonbridge,
Kent, TN12 5JX

Date:

25th January 2011

1. Introduction

This classification report defines the classification assigned to “Digital Print 2.1 Fabric Backed Vinyl N/W”, a family of digitally printed fabric backed vinyl wallcoverings, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The products, “Digital Print 2.1 Fabric Backed Vinyl N/W”, a family of digitally printed fabric backed vinyl wallcoverings, are defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The products, “Digital Print 2.1 Fabric Backed Vinyl N/W”, a family of digitally printed fabric backed vinyl wallcoverings, are fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Digitally printed fabric backed vinyl wallcoverings bonded to the primed face of a fibre cement board substrate	
Product reference of wallcovering		“Digital Print 2.1 Fabric Backed Vinyl N/W”	
Overall wallcovering thickness		0.4mm (stated by sponsor) 0.38mm(determined by Exova Warringtonfire)	
Overall wallcovering weight per unit area		350g/m ² (stated by sponsor) 371g/m ² (determined by Exova Warringtonfire)	
Range reference of wallcovering		“Digimura”	
Colour / pattern		Any colour / pattern	
Wall covering	Coating	Product reference	See note 1
		Generic type	PVC
		Name of manufacturer	Muraspec
		Application rate	See note 1
		Application method	See note 1
		Curing process	See note 1
		Flame retardant details	See note 1
	Backing	Product reference	See note 1
		Generic type	Non woven polyester
		Name of manufacturer	See note 1
		Thickness	See note 1
		Weight per unit area	See note 1
Adhesive	Product reference	“Murabond Heavy”	
	Generic type	See note 1	
	Name of manufacturer	See note 1	
	Application rate	200g/m ²	
	Application method	Roller / Brush	
	Flame retardant details	See note 3	

Primer	Product reference	"Murabond PVA Primer"
	Generic type	Poly vinyl acetate (PVA)
	Name of manufacturer	See note 1
	Application rate	25g/m ²
	Application method	Roller
	Flame retardant details	See note 3
Substrate	Product reference	"NT D4 604"
	Generic type	Fibre cement board
	Name of manufacturer	Scheerders van de Kerkhove (SVK)
	Thickness	8mm
	Density	1800kg/m ³
Brief description of manufacturing process of wallcovering		See note 1

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 product / component.

Note 3 - The sponsor was unable to provide this information.

3. Test reports/extended application reports & test results in support of classification

3.1 Test reports/extended application reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Exova warringtonfire	Muraspec	WF 195742	EN ISO 11925-2
Exova warringtonfire	Muraspec	WF 198149, 195812, 195740	EN 13823
Exova warringtonfire	Muraspec	WF 198244	EN/TS 15117

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	Nil	Compliant
		Flaming droplets/ particles		None	Compliant
	30s exposure - edge	F _s	6	Nil	Compliant
		Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	Formal test average	9.88	Compliant	
		Indicative 1	5.72		
		Indicative 2	4.97		
	FIGRA _{0.4MJ}	Formal test average	9.88	Compliant	
		Indicative 1	5.72		
		Indicative 2	4.97		
	THR _{600s}	Formal test average	1.54	Compliant	
		Indicative 1	1.21		
		Indicative 2	1.22		
	LFS	Formal test average	None	Compliant	
		Indicative 1	None		
		Indicative 2	None		
	SMOGRA	Formal test average	4.14	Compliant	
		Indicative 1	15.78		
		Indicative 2	10.09		
	TSP _{600s}	Formal test average	51.68	Compliant	
		Indicative 1	113.15		
		Indicative 2	84.94		

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 products, "Digital Print 2.1 Fabric Backed Vinyl N/W", a family of digitally printed fabric backed vinyl wallcoverings, in relation to their reaction to fire behaviour are classified:

B

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 products excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	2	,	d	0

i.e. **B – s2 , d0**

Reaction to fire classification: B – s2, 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 1800Kg/m³, having a minimum thickness of 6mm and a fire performance of A2 or better.
- ii) Substrate prepared utilising 'Murabond PVA Primer', at an application rate of 25g/m².
- iii) Product installed utilising 'Murabond Heavy' adhesive, at an application rate of 200g/m².

This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Colour/Pattern	Any variation allowed
Adhesive	No variation allowed
Product construction	No variation allowed

5. Limitations

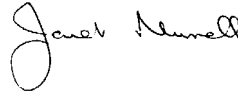
This classification document does not represent type approval or certification of the product.

SIGNED



.....
Matthew Dale
Certification Engineer

APPROVED



.....
Janet Murrell
Technical Manager
For and on behalf of:
Exova Warringtonfire

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