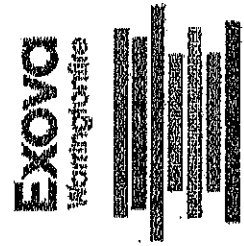


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Testing. Advising. Assuring.

Title:

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

Notified Body No:

0833

Product Name:

"Wallpaper", a family of
printed paper wallcoverings,
utilising a 150g/m² base
paper

Report No:

194492

Issue No:

1

Prepared for:

194679
194681
194683
194689
194691

Date:

20th August 2010

1. Introduction

This classification report defines the classification assigned to "Wallpaper", a family of printed paper wallcoverings, utilising a 150g/m² base paper, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product family, "Wallpaper", a family of printed paper wallcoverings, utilising a 150g/m² base paper, are defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product family, "Wallpaper", a family of printed paper wallcoverings, utilising a 150g/m² base paper, are fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		A printed paper wallcovering bonded to the primed face of a 6mm thick fibre cement board substrate, utilising "Murabond Standard" adhesive	
Trade name / product reference of wallcovering		"Wallpaper"	
Overall wallcovering thickness		0.25mm (determined by Exova Warringtonfire)	
Overall wallcovering weight per unit area		180g/m ² (stated by sponsor) 200g/m ² (determined by Exova Warringtonfire)	
Pattern reference of wallcovering		Any Pattern	
Colour reference of wallcovering		Any Colour	
Wallcovering	Print	Trade name / product reference	"Diamond Ink System"
		Generic type	Waterbased acrylic
		Name of manufacturer	Steyports Inks
		Application rate	2g/m ²
		Application method	Sur-flex printing
		Curling process (duration and temperature)	Steam heated at a temperature of 150°C for a period of 25 seconds
		Flame retardant details	See Note 2
	Coating	Trade name / product reference	"XXC 234 Matt Medium"
		Generic type	Waterbased acrylic
		Name of manufacturer	Cavendish Inks
		Application rate	8g/m ²
		Application method	Flexographic printing
		Curling process (duration and temperature)	Gas heated at a temperature of 165°C for a period of 2 seconds
		Flame retardant details	See Note 2

Continued on next page

wallcovering	Grounding	Trade name / product reference	"3064/2 Coral Ground Coat"
		Generic type	Waterbased acrylic
		Name of manufacturer	Steyport Inks
		Application rate	20g/m ²
		Application method	Air knife coated
		Curling process (duration and temperature)	Gas heated at a temperature of 150°C for a period of 15 seconds
		Flame retardant details	See Note 2
	Backing	Trade name / product reference	"150g/m ² Mechanical Base Paper"
		Generic type	Paper
		Name of manufacturer	M-Real
		Thickness	255 microns
		Weight per unit area	150g/m ²
		Flame retardant details	See Note 2
	Adhesive	Trade name / product reference	"Murabond Standard"
Generic type		Polyvinyl acetate (PVA)	
Name of manufacturer		Halls Beeline	
Application rate		6-8m ² /kg	
Application method		Brush applied	
Flame retardant details	See Note 2		
Substrate	Product reference	"NT D4 604"	
	Generic type	Fibre cement board	
	Name of manufacturer	Scheepers van de Kerkhove (SVK)	
	Thickness	6mm	
	Density	1800kg/m ³	
Brief description of manufacturing process of wallcovering		See Note 3	

Note 1 - The sponsor of the test was unable to provide this information.

Note 2 - The sponsor has confirmed that no flame retardant additives were utilised in the manufacture of this component/product.

Note 3 - The sponsor of the test was unwilling 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		WF 194670 (Issue 2)	EN ISO 11925-2
Exova warringtonfire		WF 193421, 193420, 193983	EN 13823
Exova warringtonfire		WF 194491	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	0	Compliant
	Flaming droplets/particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	0	Compliant
	Flaming droplets/particles		None	Compliant
EN 13823	FIGRA _{0.2M3}	1, 1, 3	19.91, 16.60, 13.91	Compliant
	FIGRA _{0.4M3}		18.28, 15.14, 13.37	Compliant
	THR _{600s}		2.03, 1.66, 1.68	Compliant
	LFS		N, N, N	Compliant
	SMOGRA		1.48, 0.00, 2.24	Compliant
	TSP _{600s}		38.30, 28.78, 40.26	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 family, "Wallpaper", a family of printed paper wallcoverings, utilising a 150g/m² base paper, in relation to their reaction to fire behaviour are 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 products 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) Construction Applications used over any substrate with a density equal to or greater than 870kg/m^3 , having a minimum thickness of 6 mm and a fire performance of A2 or better (excluding paper faced gypsum plasterboard).
- ii) Product installed utilising "Murabond Standard", a PVA based wall covering adhesive, at an application rate of 6-8m²/litre.

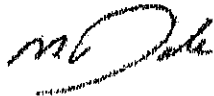
This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product colour/pattern	Any variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

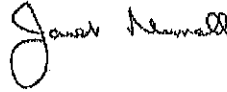
5. Limitations

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

SIGNED



APPROVED



.....
Matthew Dale
Certification Engineer
Technical Department

.....
Janet Murrell
Technical Manager
Technical Department
on behalf of **Exova warringtonfire**

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