

classification report

Title:

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

Notified Body No:

0833

Product Name:

Fiona ENV6002

Report No:

177871

Issue No:

1

Prepared for:

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Date:

27th October 2008



1. Introduction

This classification report defines the classification assigned to 'Fiona ENV6002', a polycotton osnaburg ink printed wallcovering, in line with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, 'Fiona ENV6002', a polycotton osnaburg ink printed wallcovering is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, 'Fiona ENV6002', is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		A printed wallcovering bonded to a fibre cement board substrate
Product reference of wall covering		"Fiona ENV6002"
Name of manufacturer		Len-Tex Corporation
Overall wall covering thickness		See Note 1 Below
Overall wall covering weight per unit area		See Note 1 Below
Overall composite thickness		6.59mm (determined by Bodycote warringtonfire)
Overall weight per unit area of composite		10.67kg/m ² (determined by Bodycote warringtonfire)
Batch reference of wall covering		"Batch # 60392!"
Range reference of wall covering		"Surface iQ"
Colour reference of wall covering		"Straw"
Coating	Product reference	"Surface iQ Ink"
	Generic type	Waterbased inks
	Name of manufacturer	See Note 1 Below
	Application rate	See Note 1 Below
	Application method	Gravure printing
	Curing process	Hot air at a temperature of 105°C for a period of 1 minute
	Flame retardant details	See Note 2 Below
Backing	Product reference	"Surface iQ Backing"
	Generic type	Polycotton Osnaburg
	Name of manufacturer	See Note 1 Below
	Thickness	See Note 1 Below
	Weight per unit area	64.6g/m ²
Adhesive	Product reference	"Dixon Turner Heavy"
	Generic type	PVA/starch/water
	Name of manufacturer	See Note 1 Below
	Application rate	200g/m ²
	Application method	Lambswool roller
	Flame retardant details	See Note 2 Below
Primer	Product reference	"Dixon Turner Primer"

	Generic type	PVA/starch/water
	Name of manufacturer	See Note 1 Below
	Application rate	85g/m ² nominal - wet
	Application method	Lambswool roller
	Flame retardant details	See Note 2 Below
Substrate	Trade name	"NT D4 604"
	Generic type	Fibre cement board
	Supplier	Scheerders van de Kerkhove (SVK)
	Thickness	6mm
	Density	1800kg/m ³
Brief description of manufacturing process		Vinyl coating, printing and embossing

Note 1: The sponsor was unwilling to provide this information.

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

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
Bodycote warringtonfire	Newmor	WF 175612	EN ISO 11925-2
Bodycote warringtonfire	Newmor	WF 175515	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	0	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2	F _s	6	0	Compliant

(30s exposure – edge)	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	17.25	Compliant
	FIGRA _{0.2MJ}		17.16	Compliant
	THR _{600s}		2.07	Compliant
	LFS		N	Compliant
	SMOGRA		0	Compliant
	TSP _{600s}		30.95	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

4.2 Classification

The product, 'Fiona ENV6002', a polycotton osnaburg ink printed wallcovering, in relation to its reaction to fire behaviour is 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 floorings 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 1800Kg/m³, having a minimum thickness of 6mm and a fire performance of A2 or better.
- ii) Substrate prepared utilising 'Dixon Turner Primer', a PVA/starch/water based primer, at an application rate of 85g/m².
- iii) Product installed utilising 'Dixon Turner Heavy' a PVA/starch/water based 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
Product colour	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed
Product application	No variation allowed

5. Limitations

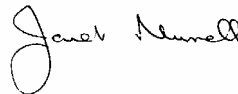
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SIGNED



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APPROVED



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Bodycote warringtonfire

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