

Exova Warringtonfire
Holmesfield Road
Warrington
WA1 2DS
United Kingdom

T : +44 (0) 1925 655 116
F : +44 (0) 1925 655 419
E : warrington@exova.com
W: www.exova.com



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:

"Premier 15oz. Fabric-Backed
Wallcovering"

Report No:

WF 334976

Issue No:

1

Prepared for:

Newmor,
Madoc Works
Henfaes Lane
Welshpool
Montgomeryshire
SY21 7BE

Date:

6th January 2014



0249

1. Introduction

This classification report defines the classification assigned to “Premier 15oz. Fabric-Backed Wallcovering”, a printed fabric backed wallcovering, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, “Premier 15oz. Fabric-Backed Wallcovering”, a printed fabric backed wallcovering, is defined as a decorative wallcovering following EN 15102, is suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, “Premier 15oz. Fabric-Backed Wallcovering”, a printed fabric backed wallcovering, 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 one face of a primed fibre cement board substrate utilising a PVA based adhesive	
Product reference of overall composite		“Premier 15oz. Fabric-Backed Wallcovering”	
Name of manufacturer of overall composite		Newmor	
Thickness of wallcovering		0.55mm (stated by sponsor) 0.43mm (determined by Exova Warringtonfire)	
Weight per unit area of wallcovering		350g/m ² (stated by sponsor) 370g/m ² (determined by Exova Warringtonfire)	
Overall thickness of composite		9.23mm (determined by Exova Warringtonfire)	
Colour reference of wallcovering		Any colour / pattern	
Wallcovering	Coating	Generic type	Polyvinyl chloride (PVC) plastisol
		Product reference	See Note 1 below
		Name of manufacturer	Newmor
		Application rate	310g/m ²
		Application method	Laminating
		Curing process	Hot air oven at 220°C for 30 seconds
		Flame retardant details	See Note 2 below
	Woven backing	Generic type	Cotton woven fabric
		Product reference	See Note 1 below
		Name of manufacturer	See Note 1 below
		Thickness	0.25mm
		Weight per unit area	40g/m ²
		Colour reference	“White”
		Flame retardant details	See Note 2 below

Continued on next page



0249

Adhesive	Generic type	Polyvinyl acetate (PVA) / starch / water
	Product reference	"Dixon Turner Heavy"
	Name of manufacturer	See Note 1 below
	Application rate	200g/m ²
	Application method	Lambswool roller
	Flame retardant details	See Note 2 below
	Curing process	Air dry
Primer	Generic type	Polyvinyl acetate (PVA) / starch / water
	Product reference	"ET Primaseal"
	Name of manufacturer	See Note 1 below
	Number of coats	One
	Application rate	85g/m ²
	Application method	Lambswool roller
	Curing process per coat	Air dry
Flame retardant details	See Note 2 below	
Substrate	Generic type	Fibre cement board
	Product reference	"NT D4 604"
	Name of manufacturer	Scheerders van de Kerkhove (SVK)
	Thickness	8mm
	Density	1800kg/m ³
	Flame retardant details	This component is inherently flame retardant
Brief description of manufacturing process		Vinyl coating/laminating, 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 & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports Nos.	Test method
Exova warringtonfire	Newmor	WF 334886	EN 13823
Exova warringtonfire	Newmor	WF 334888	EN ISO 11925-2

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	29.2	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	16.7	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	16.54	Compliant
	FIGRA _{0.4MJ}		7.53	Compliant
	THR _{600s}		1.47	Compliant
	LFS		None	Compliant
	SMOGRA		0.00	Compliant
	TSP _{600s}		44.00	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 EN 15101.

4.2 Classification

The product, "Premier 15oz. Fabric-Backed Wallcovering", a printed fabric backed wallcovering, in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: B-s1, d0

4.3 Field of application



0249

This classification is valid for the following end use applications:

- i) Wall and ceiling applications.
- ii) Used over any substrate of class A2 or better, with a thickness of 8mm or higher and a density of 1800 kg/m³ or higher.
- iii) Product installed utilising "Dixon Turner Heavy", a PVA based adhesive at an application rate of 200g/m² and substrate primed utilising "ET Primaseal", a PVA based primer at an application rate of 85g/m².

This classification is also valid for the following product parameters:

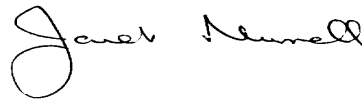
Product thickness	No variation allowed
Product composition	No variation allowed
Colour/pattern	Any colour/pattern

SIGNED



.....
Matthew Dale
Certification Engineer

APPROVED



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

This copy has been produced from a .pdf format electronic file that has been provided by Exova Warringtonfire to the sponsor of the report and must only be reproduced in full. Extracts or abridgements of reports must not be published without permission of **Exova Warringtonfire**. The pdf copy supplied is the sole authentic version of this document. All pdf versions of this report bear authentic signatures of the responsible **Exova Warringtonfire** staff.