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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:

"Project Paper-Backed
Wallcovering"

Report No:

314369

Issue No:

1

Prepared for:

Newmor
Madoc Works, Henfaes Lane
Welshpool
Montgomeryshire
SY21 7BE

Date:

25th May 2012



1. Introduction

This classification report defines the classification assigned to “Project Paper-Backed Wallcovering”, a paper-backed vinyl wall covering, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, “Project Paper-Backed Wallcovering”, a paper-backed vinyl wall covering, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product “Project Paper-Backed Wallcovering”, a paper-backed vinyl wall covering, is fully described below and in the test reports provided in support of classification, listed in Clause 3.1.

General description		Paper backed vinyl wall covering bonded to the primed (“ET Primaseal Primer”) face of an 8mm thick fibre cement board substrate utilising “Dixon Turner Light” adhesive	
Thickness of composite		8.6mm (determined by Exova Warringtonfire)	
Weight per unit area of composite		15.16kg/m ² (determined by Exova Warringtonfire)	
Wallcovering	Product reference	“Project Paper-Backed Wallcovering”	
	Name of manufacturer	Newmor	
	Thickness	0.55mm (stated by sponsor) 0.58mm (determined by Exova Warringtonfire)	
	Weight per unit area	380g/m ² (stated by sponsor) 396g/m ² (determined by Exova Warringtonfire)	
	Batch reference	“07/1323”	
	Range reference	“Project”	
	Colour reference	“Newmor P/B Vinyl” “Beige” (as observed by Exova Warringtonfire)	
	Coating	Product reference	See Note 1 below
		Generic type	Polyvinyl chloride (PVC) plastisol
		Name of manufacturer	Newmor
		Application rate	290g/m ²
		Application method	Reverse-roll coating
		Curing process	Hot air oven at a temperature of 220°C for 30 seconds
		Flame retardant details	See Note 2 below
	Backing	Product reference	See Note 1 below
Generic type		Non-woven paper backing for PVC wallcovering See Note 1 below	
Name of manufacturer		See Note 1 below	
Thickness		0.15mm	
Weight per unit area		90g/m ²	
Flame retardant details		See Note 2 below	

Continued on next page

Adhesive	Product reference	"Dixon Turner Light"
	Generic type	Polyvinyl acetate (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	"ET Primaseal"
	Generic type	Polyvinyl acetate (PVA) / starch / water
	Name of manufacturer	See Note 1 below
	Application rate	85g/m ²
	Application method	Lambswool roller
	Flame retardant details	See Note 2 below
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 wall covering		Vinyl coating, printing and embossing.

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

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

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
Exova Warringtonfire	Newmor	WF 314352	EN ISO 11925-2
Exova Warringtonfire	Newmor	WF 314353	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	Nil	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure – edge)	F _s	6	Nil	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	37.19	Compliant
	FIGRA _{0.4MJ}		12.56	Compliant
	THR _{600s}		1.98	Compliant
	LFS		None	Compliant
	SMOGRA		0.00	Compliant
	TSP _{600s}		58.35	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, "Project Paper-Backed Wallcovering", a paper-backed vinyl wall covering, in relation to its reaction to fire behaviour is 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 floorings 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 8mm and a fire performance of A2 or better. (Excluding paper faced plaster board)
- ii) Substrate prepared utilising "ET Primaseal", 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 composition	No variation allowed
Product construction	No variation allowed

5. Limitations

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

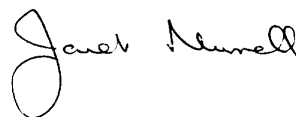
SIGNED



.....
Matthew Dale

Certification Engineer
Technical Department

APPROVED



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Technical Manager
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on behalf of **Exova Warringtonfire**

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