

classification report

Title:

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

Notified Body No:

0833

Product Name:

Oslo

Report No:

170849

Issue No:

2

Prepared for:

Newmor,
Madoc Works,
Henfaes Lane,
Welshpool,
Montgomeryshire,
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Date:

22nd July 2009

1. Introduction

This classification report defines the classification assigned to "Oslo", a coated paper backed vinyl wall covering, in line with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, "Oslo", a coated 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, "Oslo", a coated 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		A coated, paper-backed vinyl wall covering, bonded to a fibre cement board substrate
Product reference of wall covering		"Oslo"
Name of manufacturer		Newmor
Overall wall covering thickness		0.55±0.05mm
Overall wall covering weight per unit area		300±20g/m ²
Batch reference of wall covering		"07/1323"
Range reference of wall covering		"Suffolk"
Colour reference of wall covering		"S2116"
Coating	Product reference	"F136"
	Generic type	Poly vinyl chloride (PVC) plastisol
	Name of manufacturer	Newmor
	Application rate	220g/m ²
	Application method	Reverse-roll coating
	Curing process	Hot air The sponsor was unwilling to provide any further details relating to the curing process of the coating.
	Flame retardant details	See Note 1 Below
Backing	Product reference	See Note 2 Below
	Generic type	Poly vinyl chloride (PVC) wallpaper base
	Name of manufacturer	See Note 2 Below
	Thickness	0.15mm
	Weight per unit area	80g/m ²

	Flame retardant details	See Note 1 Below
Adhesive	Product reference	"Dixon Turner Light"
	Generic type	Polyvinyl acetate (PVA)/starch/water based adhesive
	Name of manufacturer	See Note 2 Below
	Application rate	200g/m ² nominal wet
	Application method	Lambswool roller
	Flame retardant details	See Note 1 Below
Primer	Product reference	"Dixon Turner primer"
	Generic type	Polyvinyl acetate (PVA) / starch / water based adhesive
	Name of manufacturer	See Note 2 Below
	Application rate	85g/m ² nominal wet
	Application method	Lambswool roller
	Flame retardant details	See Note 1 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 of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

Note 2: 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 held on the confidential file relating to this investigation.

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 170059	EN ISO 11925-2
Bodycote warringtonfire	Newmor	WF 170058	EN 13823

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (15s exposure - surface)	F _s	6	36.5	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (15s exposure – edge)	F _s	6	33	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	12.30	Compliant
	THR _{600s}		9.74	Compliant
	LFS		N	Compliant
	SMOGRA		0	Compliant
	TSP _{600s}		38.28	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 "Oslo", a coated 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:

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) Wall or Ceiling 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', at an application rate of 85g/m².
- iii) Product installed utilising 'Dixon Turner light' adhesive, at an application rate of 200g/m².

This classification is also valid for the following product parameters:

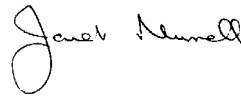
Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed
Product colour	No variation allowed

SIGNED

APPROVED



.....
Simon Ince
Technical Officer
Technical Department



.....
Janet Murrell
Technical Manager
Technical Department
on behalf of:
Bodycote warringtonfire

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