

# classification report

**Title:**

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

**Notified Body No:**

0833

**Product Name:**

Paper Backed Vinyl  
Wallcovering

**Report No:**

175204

**Issue No:**

1

**Prepared for:**

Muraspec, Tonbridge Road,  
East Peckham, Tonbridge,  
Kent, TN12 5JX

**Date:**

4<sup>th</sup> September 2008



**LABC**



## 1. Introduction

This classification report defines the classification assigned to 'Paper Backed Vinyl Wallcovering' a family of paper backed vinyl wallcoverings, in line with the procedures given in EN 13501-1:2007

## 2. Details of classified product

### 2.1 General

The products, 'Paper Backed Vinyl Wallcovering', a family of paper backed vinyl wallcoverings, are defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

### 2.2 Product description

The products, 'Paper Backed Vinyl Wallcovering', a family of paper backed vinyl wallcoverings, are fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Paper Backed Vinyl Wallcovering
Name of manufacturer		Muraspec
Overall wall covering thickness		Between 0.33mm and 0.43mm
Overall wall covering weight per unit area		Between 270g/m <sup>2</sup> and 300g/m <sup>2</sup>
Colour/Pattern		Any variation allowed
Coating	Product reference	OPTION 2
	Generic type	PVC
	Name of manufacturer	Muraspec
	Application rate	Between 180g/m <sup>2</sup> and 210g/m <sup>2</sup>
	Application method	OPTION 2
	Curing process	OPTION 2
	Trade name of flame retardant	OPTION 1
	Generic type of flame retardant	OPTION 2
Backing	Amount of flame retardant	OPTION 2
	Product reference	OPTION 2
	Generic type	Paper
	Name of manufacturer	OPTION 2
	Thickness	OPTION 2
	Weight per unit area	90g/m <sup>2</sup>
Trade name of flame retardant		There is no flame retardant additive in the backer.

Adhesive	Product reference	Murabond Light
	Generic type	Starch / PVA
	Name of manufacturer	Halls Beeline
	Application rate	150g/m <sup>2</sup>
	Application method	Roller / Brush
	Trade name of flame retardant	OPTION 1
	Generic type of flame retardant	OPTION 1
	Amount of flame retardant	OPTION 1
Primer	Product reference	Murabond PVA Primer
	Generic type	PVA
	Name of manufacturer	Halls Beeline
	Application rate	25g/m <sup>2</sup>
	Application method	Roller
	Trade name of flame retardant	OPTION 1
	Generic type of flame retardant	OPTION 1
	Amount of flame retardant	OPTION 1
Substrate	Product reference	"NT D4 604"
	Generic type	Fibre cement board
	Name of manufacturer	Scheerders van de Kerkhove (SVK)
	Thickness	6mm
	Density	1800kg/m <sup>3</sup>
Brief description of manufacturing process		OPTION 2

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

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 instead 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	Muraspec	WF 175817	EN ISO 11925-2
Bodycote warringtonfire	Muraspec	WF 173791, 173793, 175109, 175110, 173792	EN 13823

Bodycote warringtonfire	Muraspec	WF 175205	EN/TS 15117
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### 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 <sub>s</sub>	6	32	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure – edge)	F <sub>s</sub>	6	42	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA <sub>0.2MJ</sub>	1, 1, 1, 1, 3	14.19, 10.05, 8.42, 11.14, 20.11	Compliant
	FIGRA <sub>0.4 MJ</sub>		14.19, 10.05, 8.42, 11.14, 13.40	Compliant
	THR <sub>600s</sub>		1.78, 1.62, 1.53, 1.72, 1.82	Compliant
	LFS		N, N, N, N, N	Compliant
	SMOGRA		0, 0, 0, 0, 0	Compliant
	TSP <sub>600s</sub>		67.20, 78.72, 55.27, 52.28, 61.47	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 products, 'Paper Backed Vinyl Wallcovering', a family of paper backed vinyl wallcoverings, in relation to their reaction to fire behaviour are 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 flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
<b>B</b>	-	<b>s</b>	<b>2</b>	,	<b>d</b>	<b>0</b>

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/m<sup>3</sup>, having a minimum thickness of 6mm and a fire performance of A2 or better.
- ii) Substrate prepared utilising 'Murabond PVA Primer', at an application rate of 25g/m<sup>2</sup>.

iii) Product installed utilising 'Murabond Light' adhesive, at an application rate of 150g/m<sup>2</sup>.

This classification is also valid for the following product parameters:

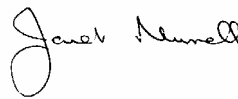
Product thickness	Between 0.33mm and 0.43mm
Product weight per unit area	Between 270g/m <sup>2</sup> and 300g/m <sup>2</sup>
Colour/Pattern	Any variation allowed
Coating application rate	Between 180g/m <sup>2</sup> and 210g/m <sup>2</sup>
Product composition	No variation from the defined formulations
Product construction	No variation allowed

**SIGNED**



.....  
**Leigh Hill**  
Technical Consultant  
Technical Department

**APPROVED**



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

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