

# classification report

**Title:**

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

**Notified Body No:**

0833

**Product Names:**

Universal

**Report No:**

160878

**Issue No:**

1

**Prepared for:**

Reeds Carpeting Contractors,  
183 Torrington Avenue,  
Coventry, CV4 9UQ

**Date:**

14<sup>th</sup> May 2007

## 1. Introduction

This classification report defines the classification assigned to 'Universal', an action backed cut-pile velour carpet, in accordance with the procedures given in EN 13501-1:2007

## 2. Details of classified product

### 2.1 General

The product, 'Universal', an action backed cut-pile velour carpet, is defined as being suitable for floorcovering applications.

### 2.2 Product description

The product, 'Universal', an action backed cut-pile velour carpet, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

Product configuration		Carpet Substrate	
Carpet	General description	Action backed cut-pile velour carpet	
	Product reference of carpet	"Universal"	
	Name of manufacturer of carpet	See Note 1	
	Overall thickness of carpet	8mm	
	Overall weight per unit area of carpet	1400 g/m <sup>2</sup>	
	Colour reference of carpet	Blue / Green (determined by Bodycote warringtonfire)	
	Pattern reference of carpet	See Note 2	
	Pile	Product reference	Polyamide fibre
		Generic type	100% Polyamide
		Name of manufacturer	See Note 1
		Pile height above the backing	4.0mm
		Weight per unit area	380g/m <sup>2</sup>
		Flame retardant details	See Note 3
	Backing	Product reference	See Note 2
		Generic type	Action Backing
		Name of manufacturer	See Note 1
		Thickness	4.0mm
		Weight per unit area	1000g/m <sup>2</sup>
Flame retardant details		See Note 3	
Substrate	Product reference	"NT D4 604"	
	Generic type	Fibre cement board	
	Name of supplier	Scheerders van de Kerkhove (SVK)	
	Thickness	6mm	
	Density	1800kg/m <sup>3</sup>	
	Flame retardant details	The substrate is inherently flame retardant	
Brief description of manufacturing process utilised in the production of the carpet tile		Tufted cut-pile velour bonded onto an action backing	

Note 1: 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.

Note 2: The sponsor was unable to provide this information.

Note 3: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

The sponsor has confirmed that the specimens were manufactured by other parties. They have also confirmed that they were not able to obtain from the manufacturers some details that would normally be included in Bodycote warringtonfire test reports. The description of the specimens given above therefore is not as complete as would normally be the case for descriptions included in Bodycote warringtonfire test reports, and the description may not fully comply with the requirements of the standard. In all other respects, however, the tests were conducted fully in accordance with the requirements of the standard and the test results are valid.

### 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	Reeds Carpeting Contractors	WF 160795	EN ISO 11925-2
Bodycote warringtonfire	Reeds Carpeting Contractors	WF 160798	EN ISO 9239-1

#### 3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EN ISO 11925-2 (15s exposure – surface of decorative face)	F <sub>s</sub>	6	32	Compliant
	Flaming droplets/ particles		None	Compliant

EN ISO 11925-2 (15s exposure – edge of decorative face)	F <sub>s</sub>	6	30	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 9239-1	Critical flux	3	7.1	Compliant
	Smoke		62.96	Compliant

#### 4. Classification and field of application

##### 4.1 Reference of classification

This classification has been carried out in accordance with clause 9 of EN 13501-1:2007

##### 4.2 Classification

The product, 'Universal', an action backed cut-pile velour carpet, in relation to its reaction to fire behaviour is classified:

**C<sub>FL</sub>**

The additional classification in relation to smoke production is:

**s1**

The format of the reaction to fire classification for floorings is:

Fire Behaviour		Smoke Production	
<b>C<sub>FL</sub></b>	-	<b>s</b>	<b>1</b>

i.e. **C<sub>FL</sub> – s1**

**Reaction to fire classification: C<sub>FL</sub> – s1**

#### 4.3 Field of application

This classification is valid for the following end use applications:

- i) Flooring 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<sub>FL</sub> or better.
- ii) Installed with or without an adhesive.

This classification is also valid for the following product parameters:

Floorcovering thickness	No variation allowed
Floorcovering weight per unit area	No variation allowed
Colour/Pattern	Any variation allowed
Pile height above the backing	No variation allowed
Pile weight per unit area	No variation allowed
Backing thickness	No variation allowed
Backing weight per unit area	No variation allowed
Individual components	No variation allowed
Floorcovering construction	No variation allowed

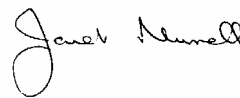
#### SIGNED



.....  
**Leigh Hill**

Technical Consultant  
Technical Department

#### APPROVED



.....  
**Janet Murrell**

Technical Manager  
Technical Department  
on behalf of:

**Bodycote warringtonfire**

This copy has been produced from a .pdf format electronic file that has been provided by Bodycote **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 Bodycote **warringtonfire**. The original signed paper version of this report is the sole authentic version. Only original paper versions of this report bear authentic signatures of the responsible Bodycote **warringtonfire** staff.





Bodycote warringtonfire • Head Office • Holmesfield Road • Warrington • Cheshire • WA1 2DS • United Kingdom  
Tel: +44 (0) 1925 655 116 • Fax: +44 (0) 1925 655 419 • Email: [Info@warringtonfire.net](mailto:Info@warringtonfire.net) • Website: [www.warringtonfire.net](http://www.warringtonfire.net)

