

# classification report

**Title:**

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

**Notified Body No:**

0833

**Product Names:**

Mars

**Report No:**

160877

**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 'Mars', a foam 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, 'Mars', a foam backed cut-pile velour carpet, is defined as being suitable for floorcovering applications.

### 2.2 Product description

The product, 'Mars', a foam 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		
	Foam backed cut-pile velour carpet		
	Product reference of carpet		
	"Mars"		
	Name of manufacturer of carpet		
	See Note 1		
	Overall thickness of carpet		
	10mm		
	Overall weight per unit area of carpet		
	1700 g/m <sup>2</sup>		
	Colour reference of carpet		
	Grey (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	
Backing	Pile height above the backing		
	4.0mm		
	Weight per unit area		
	380g/m <sup>2</sup>		
	Flame retardant details		
	See Note 3		
Substrate	Product reference		
	See Note 2		
	Generic type		
	Foam Backing		
	Name of manufacturer		
	See Note 1		
Substrate	Thickness		
	6.0mm		
	Weight per unit area		
	1200g/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)		
Substrate	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 a foam 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 160794	EN ISO 11925-2

#### 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	42	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (15s exposure – edge of decorative face)	F <sub>s</sub>	6	72	Compliant
	Flaming droplets/ particles		None	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, 'Mars', a foam backed cut-pile velour carpet, in relation to its reaction to fire behaviour is classified:

**Reaction to fire classification: E<sub>FL</sub>**

#### 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

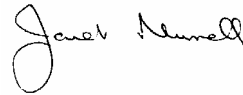
**SIGNED**



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**APPROVED**



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**Janet Murrell**

Technical Manager  
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on behalf of:

**Bodycote warringtonfire**

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