



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:**

"HP PVC-Free Wallpaper"

**Report No:**

305741

**Issue No:**

1

**Prepared for:**

Hewlett Packard Co.  
16399 W Bernardo Dr.  
San Diego  
CA 92127  
USA

**Date:**

23<sup>rd</sup> May 2011



0249

## 1. Introduction

This classification report defines the classification assigned to "HP PVC-Free Wallpaper", a PVC-free self-adhesive wallpaper, in line with the procedures given in EN 13501-1:2007+A1: 2009.

## 2. Details of classified product

### 2.1 General

The product, "HP PVC-Free Wallpaper", a PVC-free self-adhesive wallpaper, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

### 2.2 Product description

The product, "HP PVC-Free Wallpaper", a PVC-free self-adhesive wallpaper, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		HP PVC-free self-adhesive wallpaper applied to a paper faced plasterboard substrate	
Product reference of wallcovering		"C2897-110 (supplier product code) / CH003B / CH098B / CH103A (HP product codes)"	
Colour reference		"Multi-color" (stated by sponsor)	
Self-adhesive wallcovering	Product reference	"HP PVC-Free Wallpaper"	
	Thickness	0.18 ± 0.01mm (7.2 ± 0.5 mils) (stated by sponsor) 0.19mm (determined by <b>Exova Warringtonfire</b> )	
	Weight per unit area	175 ± 10 g/m <sup>2</sup> (stated by sponsor) 178g/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )	
	Base material	Product reference	"C2897-110"
		Generic type	Latex saturated paper with 10% post-consumer waste fibers
		Name of manufacturer	<del>Monadnock Paper Mills</del>
		Weight per unit area	130 ± 15g/m <sup>2</sup>
		Thickness	0.17 ± 0.01mm (6.8 ± 0.5 mils)
		Flame retardant details	<b>See Note 1 below</b>
	Adhesive	Product reference	The sponsor has confirmed that the component does not have a specific product reference assigned to it.
		Generic type	Water-activated glue. The sponsor was unable to provide any further information about the generic type of the adhesive.
		Name of manufacturer	<del>Monadnock Paper Mills</del>
		Application rate	<b>See Note 2 below</b>
		Application method	Graviur
Flame retardant details		<b>See Note 2 below</b>	

Continued on next page

Substrate	Product reference	"Gyproc Soundbloc"
	Generic type	Paper faced plasterboard
	Name of manufacturer	British Gypsum
	Thickness	12.5mm
	Density	700kg/m <sup>3</sup>
Brief description of manufacturing process of wallcovering		Reel-to reel, 2 station graviur

**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 was unable to provide this information.**

**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	Hewlett Packard Co.	WF 305636	EN ISO 11925-2
Exova warringtonfire	Hewlett Packard Co.	WF 305637	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 <sub>s</sub>	6	Nil	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F <sub>s</sub>	6	Nil	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA <sub>0.2MJ</sub>	3	68.82	Compliant
	FIGRA <sub>0.4MJ</sub>		44.16	Compliant
	THR <sub>600s</sub>		1.48	Compliant
	LFS		None	Compliant
	SMOGRA		1.11	Compliant
	TSP <sub>600s</sub>		43.49	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, "HP PVC-Free Wallpaper", a PVC-free self-adhesive wallpaper, 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 applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
<b>B</b>	<b>-</b>	<b>s</b>	<b>1</b>	<b>,</b>	<b>d</b>	<b>0</b>

**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) Construction Applications used over any substrate with a density equal to or greater than  $700\text{kg/m}^3$ , having a minimum thickness of 12.5mm and a fire performance of A2-s1, d0 or better.
- ii) Product installed utilising its integral adhesive system.

This classification is also valid for the following product parameters:

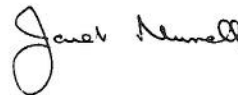
Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product colour/pattern	Any variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

**SIGNED**



.....  
**Matthew Dale**  
 Certification Engineer

**APPROVED**



.....  
**Janet Murrell**  
 Technical Manager  
 For and on behalf of:  
**Exova Warringtonfire**

This copy has been produced from a .pdf format electronic file that has been provided by Exova 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 Exova 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 Exova Warringtonfire staff.

