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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:**

"LG Window Etch Vinyl"

**Report No:**

WF 370136

**Issue No:**

1

**Prepared for:**

All Print Supplies Ltd  
7B Fairlie Road  
Slough  
SL1 4PY

**Date:**

1<sup>st</sup> August 2016



## 1. Introduction

This classification report defines the classification assigned to “LG Window Etch Vinyl”, a self adhesive vinyl film applied to plasterboard, in line with the procedures given in EN 13501-1:2007+A1: 2009.

## 2. Details of classified product

### 2.1 General

The product, “LG Window Etch Vinyl”, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

### 2.2 Product description

The product, “LG Window Etch Vinyl”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Self-adhesive vinyl adhered to a plasterboard substrate	
Product reference		“LG Window Etch Vinyl”	
Name of manufacturer		LG Hausys	
Thickness		12.76mm (determined by <b>Exova Warringtonfire</b> )	
Weight per unit area		8.49kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )	
Self-adhesive film	Product reference	“LG Window Etch Vinyl”	
	Name of manufacturer	LG Hausys	
	Thickness	80 - 100 microns	
	Density / weight per unit area	<b>See Note 1 below</b>	
	Tape	Generic type	Calendared PVC
		Product reference	“LG Window Etch Vinyl”
		Detailed description / composition details	PVC film for digital printing and window decoration with adhesive backing and release liner
		Name of manufacturer	LG Hausys
		Thickness	80 – 100 microns
		Density / weight per unit area	<b>See Note 1 below</b>
		Colour reference	“Silver” (observed by <b>Exova Warringtonfire</b> )
	Flame retardant details	<b>See Note 2 below</b>	
	Adhesive	Generic type	Acrylic based adhesive
		Product reference	<b>See Note 3 below</b>
		Name of manufacturer	<b>See Note 3 below</b>
		Colour reference	<b>See Note 3 below</b>
Application rate / thickness		<b>See Note 3 below</b>	
Application method		<b>See Note 3 below</b>	
Flame retardant details		<b>See Note 2 below</b>	
Curing process	<b>See Note 3 below</b>		

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Substrate	Product reference	"Gyproc Soundbloc"
	Generic type	Paper faced plasterboard
	Name of manufacturer	British Gypsum
	Thickness	12.5mm
	Density	700kg/m <sup>3</sup>
	Flame retardant details	<b>See Note 1 below</b>
Brief description of manufacturing process		<b>See Note 1 below</b>

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

Note 2: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

Note 3: The sponsor was unwilling 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	All Print Supplies Ltd	WF 364722	EN ISO 11925-2
Exova Warringtonfire	All Print Supplies Ltd	WF 364721	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	45	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F <sub>s</sub>	6	30	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA <sub>0.2MJ</sub>	3	174.80	Compliant
	FIGRA <sub>0.4MJ</sub>		82.44	Compliant
	THR <sub>600s</sub>		1.36	Compliant
	LFS		None	Compliant
	SMOGRA		9.29	Compliant
	TSP <sub>600s</sub>		49.74	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, "LG Window Etch Vinyl", a self adhesive vinyl film applied to plasterboard, in relation to its reaction to fire behaviour is classified:

**C**

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	
C	-	s	1	,	d	0

i.e. C – s1 , d0

**Reaction to fire classification: C – 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 700kg/m<sup>3</sup>, having a minimum thickness of 12.5 mm and a fire performance of A2 or better.
- ii) Product installed utilising its integral acrylic based adhesive.

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

**SIGNED**

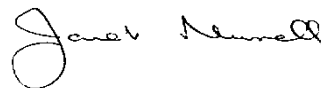


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**APPROVED**



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Technical Manager  
Technical Department  
on behalf of **Exova Warringtonfire**

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