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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 Cast Vinyl 50 –
80micron"

Report No:

WF 370135

Issue No:

1

Prepared for:

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

Date:

1st August 2016



1. Introduction

This classification report defines the classification assigned to "LG Cast Vinyl 50 – 80micron", 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 Cast Vinyl 50 – 80micron", is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, "LG Cast Vinyl 50 – 80micron", 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 Cast Vinyl 50 – 80micron”		
Name of manufacturer		LG Hausys		
Thickness		12.83mm (determined by Exova Warringtonfire)		
Weight per unit area		8.01kg/m ² (determined by Exova Warringtonfire)		
Self-adhesive film	Product reference		“LG Cast Vinyl”	
	Name of manufacturer		LG Hausys	
	Thickness		50 - 80 microns	
	Density / weight per unit area		See Note 1 below	
	Tape	Generic type		Cast PVC
		Product reference		“LG Cast”
		Detailed description / composition details		Cast PVC film for digital printing with adhesive backing and release liner
		Name of manufacturer		LG Hausys
		Thickness		50 – 80 microns
		Density / weight per unit area		See Note 1 below
		Colour reference		“White” (observed by Exova Warringtonfire)
		Flame retardant details		See Note 2 below
	Adhesive	Generic type		Acrylic based adhesive
		Product reference		See Note 3 below
		Name of manufacturer		See Note 3 below
		Colour reference		See Note 3 below
		Application rate / thickness		See Note 3 below
		Application method		See Note 3 below
		Flame retardant details		See Note 2 below
		Curing process		See Note 3 below

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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 ³
	Flame retardant details	See Note 1 below
Brief description of manufacturing process		See Note 1 below

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 364720	EN ISO 11925-2
Exova Warringtonfire	All Print Supplies Ltd	WF 364719	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 _s	6	38.3	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	23.3	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	182.69	Compliant
	FIGRA _{0.4MJ}		71.31	Compliant
	THR _{600s}		1.30	Compliant
	LFS		None	Compliant
	SMOGRA		0.56	Compliant
	TSP _{600s}		39.01	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 Cast Vinyl 50 – 80micron", 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:

- Construction applications used over any substrate with a density equal to or greater than 700kg/m³, having a minimum thickness of 12.5 mm and a fire performance of A2 or better.
- Product installed utilising its integral acrylic based adhesive.

This classification is also valid for the following product parameters:

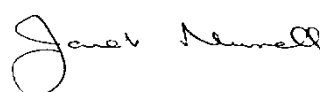
Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

SIGNED



Matthew Dale
Senior Certification Engineer
Technical Department

APPROVED



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

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