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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 Polymeric Vinyl 50 –
100micron"

Report No:

WF 370134

Issue No:

1

Prepared for:

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

Date:

1st August 2016



0249

1. Introduction

This classification report defines the classification assigned to “LG Polymeric Vinyl 50 – 100micron”, 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 Polymeric Vinyl 50 – 100micron”, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, “LG Polymeric Vinyl 50 – 100micron”, 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 Polymeric Vinyl 50 – 100micron”	
Name of manufacturer		LG Hausys	
Thickness		13.0mm (determined by Exova Warringtonfire)	
Weight per unit area		8.50kg/m ² (determined by Exova Warringtonfire)	
Self-adhesive film	Product reference	“LG Polymeric Vinyl”	
	Name of manufacturer	LG Hausys	
	Thickness	50 - 100 microns	
	Density / weight per unit area	See Note 1 below	
	Tape	Generic type	Polymeric calendared PVC
		Product reference	“LG Polymeric”
		Detailed description / composition details	PVC film with polymeric plasticisers for digital printing with adhesive backing and release liner
		Name of manufacturer	LG Hausys
		Thickness	50 – 100 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 364718	EN ISO 11925-2
Exova Warringtonfire	All Print Supplies Ltd	WF 364717	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	33.3	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	21.7	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	146.93	Compliant
	FIGRA _{0.4MJ}		62.20	Compliant
	THR _{600s}		1.46	Compliant
	LFS		None	Compliant
	SMOGRA		6.09	Compliant
	TSP _{600s}		43.30	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 Polymeric Vinyl 50 – 100micron", 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/m³, 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

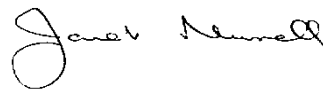


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APPROVED



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