

# classification report

**Title:**

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

**Notified Body No:**

0833

**Product Name:**

'Metamark  
self adhesive vinyl film'

**Report No:**

170848

**Issue No:**

1

**Prepared for:**

Metamark (UK) Ltd  
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**Date:**

6<sup>th</sup> March 2008

## 1. Introduction

This classification report defines the classification assigned to, 'Metamark self adhesive vinyl film', in line with the procedures given in EN 13501-1:2007

## 2. Details of classified product

### 2.1 General

The product, 'Metamark self adhesive vinyl film', is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

### 2.2 Product description

The product, 'Metamark self adhesive vinyl film', is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Self adhesive translucent vinyl film, bonded to a paper face plasterboard substrate.	
Trade name		'Metamark self adhesive vinyl film'	
Overall thickness of film		90 – 100 microns	
Overall weight per unit area of film		125g/m <sup>2</sup>	
Colour reference		Any	
Self-adhesive film	Film	Trade name	'Metamark MT643'
		Generic type	Polymeric calendared vinyl film
		Name of manufacturer	See Note 1 Below
		Thickness	70 - 80 microns
		Weight per unit area	105g/m <sup>2</sup>
		Flame retardant details	See Note 2 Below
	Adhesive	Product reference	See Note 3 Below
		Generic type	100% Acrylic
		Name of manufacturer	See Note 1 Below
		Thickness	20 microns
		Application rate	See Note 1 Below
		Application method	Knife on roller
		Flame retardant details	See Note 2 Below
Post curing process if applicable (duration and temperature)		Hot air – The sponsor was unable to provide any further information in relation to the post curing process.	
Brief description of manufacturing process		Transfer coating on a reel to reel basis	
Substrate details		12mm paper faced plasterboard having a density of 800kg/m <sup>3</sup>	
Air Gap Details		A 40mm ventilated cavity was situated between the reverse face of the plasterboard substrate and the backing board.	

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 of the test has confirmed that no flame retardant additives were utilised in the production of the product / component

Note 3 : The sponsor was unwilling to provide this information.

### 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	Metamark (UK) Ltd	WF 170524	EN ISO 11925-2
Bodycote warringtonfire	Metamark (UK) Ltd	WF 170260, 170261, 170262, 170263, 170264, 170265	EN 13823
Bodycote warringtonfire	Metamark (UK) Ltd	WF 171049	EN/TS 15117

#### 3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (15s exposure - surface)	F <sub>s</sub>	6	46.6	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (15s exposure – edge)	F <sub>s</sub>	6	47.8	Compliant
	Flaming droplets/ particles		None	Compliant

EN 13823	FIGRA <sub>0.2MJ</sub>	8	88.69, 76.78, 87.12, 89.80, 79.99, 90.63	Compliant
	THR <sub>600s</sub>		1.48, 1.48, 1.51, 1.58, 1.48, 1.54	Compliant
	LFS		None	Compliant
	SMOGRA		17.23, 16.19, 8.34, 16.52, 15.92, 15.10	Compliant
	TSP <sub>600s</sub>		67.46, 64.20, 51.13, 64.88, 62.27, 60.41	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

##### 4.2 Classification

The product, 'Metamark self adhesive vinyl film', in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s2**

The additional classification in relation to flaming droplets / particles is:

**d0**

The format of the reaction to fire classification for construction products excluding floorings is:

<b>Fire Behaviour</b>		<b>Smoke Production</b>		<b>Flaming Droplets</b>
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B	-	s	2	,	d	0
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i.e. B – s2 , d0

**Reaction to fire classification: B – s2, d0**

**4.3 Field of application**

This classification is valid for the following end use applications:

- i) Wall or Ceiling Applications used over any substrate with a density equal to or greater than 800Kg/m<sup>3</sup>, having a minimum thickness of 12mm and a fire performance of A2<sub>FL</sub> or better.

This classification is also valid for the following product parameters:

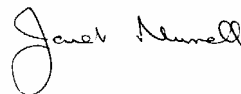
Product thickness	Between 90 – 100 Microns
Product weight per unit area	No variation allowed
Product colour	Any variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

**SIGNED**



.....  
**Simon Ince**  
Technical Officer  
Technical Department

**APPROVED**



.....  
**Janet Murrell**  
Technical Manager  
Technical Department  
on behalf of:  
**Bodycote warringtonfire**

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