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

Sponsor	Avery Dennison Graphics and Reflective Products Division P.O. Box 118 NL-2394 ZG HAZERSWOUDE The Netherlands
Prepared by	Efectis Nederland BV Lange Kleiweg 5 P.O. Box 1090 NL-2280 CB RIJSWIJK The Netherlands
Notified Body no.	1234
Product name	**Avery® 500 Event Film Gloss applied to a steel sheet**
Classification report no	2008-Efectis-R0838
Issue number	1
Date of issue	November 2008
Project number	2008772

This classification report consists of five pages and may only be used in its entirety.

1. Introduction

This classification report defines the classification assigned to **Avery® 500 Event Film Gloss applied to a steel sheet** in accordance with the procedures given in EN 13501-1: 2007.

2. Details of classified product

2.1 General

The product, **Avery® 500 Event Film Gloss applied to a steel sheet**, is defined as a multi-purpose vinyl.

2.2 Product description

According to the sponsor the product is:
- A 75 micron monomircally plasticised vinyl
  with 50 matching colours
  with a permanent, acrylic based, adhesive system

The product has a surface density of approx. 111 g/m^2
The product is applied to a steel sheet, 1.2 mm thick.

2.3 Manufacturer/Importer

Avery Dennison
Graphics and Reflective Products Division
P.O. Box 118
NL-2394 ZG HAZERSWOUDE
The Netherlands

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratories	Name of sponsor	Test reports	Test method
Efectis Nederland B.V., The Netherlands	Avery Dennison, The Netherlands	2008-Efectis-R0836 2008-Efectis-R0837	EN ISO 11925-2:2002 EN 13823:2002

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN 13823	$FIGRA_{0.2MJ}$ [W/s]	3	0	-
	$FIGRA_{0.4MJ}$ [W/s]		0	-
	THR_{600s} [MJ]		0.4	-
	LFS < edge		-	Compliant
	SMOGRA [m^2/s^2]		6.9	-
	TSP_{600s} [m^2]		51	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	 Compliant Compliant
EN-ISO 11925-2 surface flame impingement	Fs ≤150 mm	6	27	Compliant
	Ignition of filter paper		-	Compliant
EN-ISO 11925-2 edge flame impingement	Fs ≤150 mm	6	27	Compliant
	Ignition of filter paper		-	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11 of NEN-EN 13501-1:2007

4.2 Classification

The product, **Avery® 500 Event Film Gloss applied to a steel sheet**, 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

Reaction to fire classification: B-s2, d0

4.3 Field of application

This classification is valid for the following product parameters:

- Thickness	75 micron
- Surface density	111 g/m^2

This classification is valid for the following end use applications:

- Substrate	steel sheet ≥ 1.2 mm - non-combustible (class A1/A2 according to EN 13501-1)
- Air gap	40 mm
- Methods and means of fixing	with a permanent, acrylic based, adhesive system
- Joints	no joints
- Other aspects of end use conditions	multi-purpose vinyl

4.4 Duration of the validity of this classification report

There are no limitations in time on the validity of this report.

5. Limitations

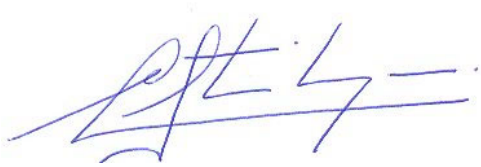
This classification document does not represent type approval or certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the product's design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

Signed



Ing. C.C.M. Steinhage

Approved

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