

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® MPI™ 8621 Wall Film Removable With a removable adhesive system, applied to a steel sheet |
| Classification report no | 2009-Efectis-R0716 [Rev.1] |
| Issue number | 1 |
| Date of issue | March 2016 |
| Project number | 2009176 |

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

1. Introduction

1.1 Product name

This classification report defines the classification assigned to **Avery® MPI™ MPI 8621 Wall Film Removable** with a removable adhesive system, applied to a steel sheet, in accordance with the procedures given in EN 13501-1: 2007.

1.2 Revision information

Change of product name from **Avery® MPI™ 2601 Wall Film Avery®** in to **MPI™ 8621 Wall Film Removable**.

Original date of issue: July 2009

2. Details of classified product

2.1 General

The product, **Avery® MPI™ MPI 8621 Wall Film Removable** with a removable adhesive system, applied to a steel sheet, is defined as a multi-purpose vinyl.

2.2 Product description

Product composition:

A 152 micron satin white polymeric calendared vinyl film with a removable, acrylic based self-adhesive system.

The product has a surface density of approx. 365 g/m².

The product is applied to a steel sheet, approx. 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 BV The Netherlands | Avery Dennison The Netherlands | 2009-Efectis-R0714 2009-Efectis-R0715 | 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 | 89 | - |
| | FIGRA _{0.4MJ} [W/s] | | 24 | - |
| | THR _{600s} [MJ] | | 1.0 | - |
| | LFS < edge | | - | Compliant |
| | SMOGRA [m ² /s ²] | | 18 | - |
| | TSP _{600s} [m ²] | | 62 | - |
| | Flaming debris - flaming ≤ 10 s - flaming > 10 s | | - | Compliant Compliant |
| EN-ISO 11925-2 surface flame impingement | Fs ≤ 150 mm | 6 | 27 | - |
| | Ignition of filter paper | | - | Compliant |
| EN-ISO 11925-2 edge flame impingement | Fs ≤ 150 mm | 6 | 29 | - |
| | 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 EN 13501-1:2007

4.2 Classification

The product, **Avery® MPI™ 8621 Wall Film Removable** with a removable adhesive system, 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 152 micron
- Surface density 123 g/m²

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 removable acrylic based self-adhesive system
- Joints no joints
- Other aspects of end use conditions multi-purpose vinyl film

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.



Ing. C.C.M. Steinhage
Project leader reaction to fire



A.J. Lock
Project LEADER reaction to fire