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CLASSIFICATION

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2007+A1:2009

Classification no.	2018-Efectis-R001724
Sponsor	Avery Dennison Materials Belgium Boulevard J. F. Kennedy, 1 Z.I. Zone B 7060 Soignies BELGIUM
Product name	**Mactac LUV 6301**
Prepared by	Efectis Nederland BV
Notified body no.	1234
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Project number	ENL-18-000682
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Number of pages	5

1. INTRODUCTION

This classification report defines the classification assigned to **Mactac LUV 6301** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, **Mactac LUV 6301**, is defined as a protective over laminate film for floor covering.

2.2 MANUFACTURER

Avery Dennison Materials Belgium
Boulevard J. F. Kennedy, 1
Z.I. Zone B
7060 Soignies
BELGIUM

2.3 PRODUCT DESCRIPTION

Product description:

- Clear PVC film with a semi matt sand structure finish
- Thickness film: 100 µm
- Backing: White kraft paper, 100 g/m^2

See 'Technical data sheet' at the end of the test reports.

The product has a thickness of 100 µm and a mass per unit area of approx. 130 g/m^2 (measured on the product).

3. STANDARDS, TEST REPORTS & TEST RESULTS IN SUPPORT OF CLASSIFICATION

3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 11925-2:2010	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
EN ISO 9239-1:2010	Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source
EN 13501-1:2007 +A1:2009	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests

3.2 TEST REPORTS

Name of Laboratories	Name of sponsor	Test reports	Test method
Efectis Nederland BV THE NETHERLANDS	Avery Dennison Materials Belgium BELGIUM	2018-Efectis-R001722 2018-Efectis-R001723	EN ISO 11925-2:2010 EN ISO 9239-1:2010

3.3 TEST RESULTS

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter – maximum	Compliance Parameters
EN ISO 11925-2				
surface flame impingement	Fs ≤150 mm	6	0	-
	Ignition of filter paper		-	Compliant

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance Parameters
EN ISO 9239-1				
	Critical Heat Flux [kW/m2]	3	≥ 11	-
	Smoke density [%.min]		17	-

3.4 CLASSIFICATION CRITERIA

Classification criteria of the Flooring Radiant Panel (FRP) test			
Classification criteria			
Class Test method(s)	**B_{fl}**	**C_{fl}**	**D_{fl}**
EN ISO 11925-2 Exposure = 15 s	F_s ≤ 150 mm within 20 s		
EN ISO 9239-1 Critical flux [kW/m^2]	≥ 8.0	≥ 4.5	≥ 3.0
Additional classification			
Smoke production	**s1** = ≤ 750% min **s2** = > 750% min		

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 12 of EN 13501-1:2007+ A1:2009.

4.2 CLASSIFICATION

The product, **Mactac LUV 6301**, in relation to its reaction to fire behaviour is classified:

B_{fl}

The additional classification in relation to smoke production is:

s1

Reaction to fire classification: B_{fl} - s1

4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	100 µm
Surface density	Approx. 130 g/m^2 (measured on the product)

This classification is valid for the following end use applications:

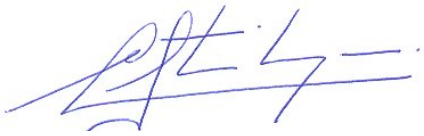
Substrate	Non-combustible (class A1, ISO 390 and EN 13238: 2010 1800 ± 200 kg/m^3 – 6 mm)
Air gap	Not applicable
Methods and means of fixing	Glued using products adhesive
Joints	Including joints
Other aspects of end use conditions	Floor covering

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.



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