

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2018

Classification no.	2019-Efectis-R001714
Sponsor	Avery Dennison Graphics & Reflective Solutions P.O. Box 28 2300 AA LEIDEN THE NETHERLANDS
Product name	Avery Dennison MPI 6021 Anti-Slip Floor Mark
Prepared by	Efectis Nederland BV
Notified body no.	1234
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1. INTRODUCTION

This classification report defines the classification assigned to **Avery Dennison MPI 6021 Anti-Slip Floor Mark** in accordance with the procedures given in EN 13501-1:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, **Avery Dennison MPI 6021 Anti-Slip Floor Mark**, is defined as a floor covering.

2.2 MANUFACTURER

Avery Dennison Graphics & Reflective Solutions
P.O. Box 28
2300 AA LEIDEN
THE NETHERLANDS

2.3 PRODUCT DESCRIPTION

Product description:

- Face: 200 microns white calendered PVC
- Adhesive: emulsion, removable acrylic based
- Liner: white kraft paper 120 g/m²

The product has a mass per unit area of approx. 270 g/m² (measured on the product).

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

3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 11925-2:2010/ C1:2011	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 13501-1:2018	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 Graphics & Reflective Solutions THE NETHERLANDS	2019-Efectis-R001712 2019-Efectis-R001713	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	F _s ≤ 150 mm	6	85	-
	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/m ²]	3	≥ 11	-
	Smoke density [% .min]		10	-

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 13501-1:2018.

4.2 CLASSIFICATION

The product, **Avery Dennison MPI 6021 Anti-Slip Floor Mark**, 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	0.20 mm
Surface density	Approx. 270 g/m ²
Other properties	Colour: White

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	None
Methods and means of fixing	Glued using products adhesive
Joints	None
Other aspects of end use conditions	End use 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

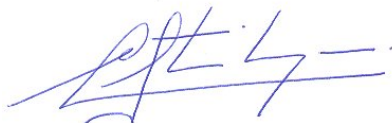
This classification document does not represent type approval or certification of the product.



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