

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

Classification no.	2021-Efectis-R000037
Sponsor	Avery Dennison Matériaux Belgium Sprl Boulevard Kennedy 1 7060 SOIGNIES BELGIUM
Product name	Mactac StreetRap with Mactac Streetlam
Prepared by	Efectis Nederland BV
Notified body no.	1234
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Project number	ENL-20-001163
Date of issue	February 2021
Number of pages	5

1. INTRODUCTION

This classification report defines the classification assigned to **Mactac StreetRap with Mactac Streetlam**, in accordance with the procedures given in EN 13501-1:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, **Mactac StreetRap with Mactac Streetlam**, is defined as a floor covering.

2.2 MANUFACTURER

Avery Dennison MatériaIs Belgium Sprl
Boulevard Kennedy 1
7060 SOIGNIES
BELGIUM

2.3 PRODUCT DESCRIPTION

According to the sponsor the product is composed of the two following layers:

- Mactac StreetLam:
 - face material: 70 µm white matt polymeric PVC;
 - Adhesive: solvent acrylic high-tack, transparent;
- Mactac Streetlam: 385 µm clear satin construction made from abrasive particles bonded onto a polymeric PVC;
- Liner: PE coated, 165 g/m².

The product has a total thickness of approx. 460 µm, and a mass per unit area of approx. 164 g/m².

The detailed specification is kept in file and defined in the test reports only, due to confidential purposes.

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

3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 11925-2:2020	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 13238:2010	Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates
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 Matériaux Belgium Sprl BELGIUM	2021-Efectis-R000018 2021-Efectis-R000034	EN ISO 11925-2:2020 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	35	-
	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]		9	-

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, **Mactac StreetRap with Mactac Streetlam**, 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	Approx. 460 µm
Surface density	Approx. 164 g/m ²
Other properties	Type adhesive: solvent acrylic high-tack, transparent

This classification is valid for the following end use applications:

Substrate	Non-combustible (class A1/A2 according to EN 13238:2010)
Methods and means of fixing	Glued

4.4 DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

Consult classification standard and national laws and regulations for limitations on the period of validity of the classification.

5. LIMITATIONS

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



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