

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

Classification no.	2024-Efectis-R000986
Sponsor	Plano Plastics B.V. Habraken 2330 5507 TL VELDHOVEN THE NETHERLANDS
Product name	ACOFELT® PREMIUM
Prepared by	Efectis Nederland BV
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1. INTRODUCTION

This classification report defines the classification assigned to **ACOFELT® PREMIUM** in accordance with the procedures given in EN 13501-1:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, **ACOFELT® PREMIUM**, is defined as a wall covering.

2.2 MANUFACTURER

VEBE FLOORCOVERINGS B.V.
Inslag 12
8281 JV GENEMUIDEN
THE NETHERLANDS

2.3 IMPORTER

Plano Plastics B.V.
Habraken 2330
5507 TL VELDHOVEN
THE NETHERLANDS

2.4 PRODUCT DESCRIPTION

Product description:

- 100% non FR polyester, (60% regular PET and 40% Bico PET).

The product has a total thickness of 9 mm, a density of approx. 222 kg/m³ and a mass per unit area of approx. 2 kg/m². The product is available in several colours. The tested colours are White, Black and Red Coral.

3. STANDARDS, REPORTS, RESULTS AND CRITERIA IN SUPPORT OF THIS 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 13823:2020	Reaction to fire tests for building products - Building products, excluding floorings exposed to the thermal attack by a single burning item
EGR 003:2016	Selection of colours for covering a range

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 REPORTS

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV THE NETHERLANDS	VEBE THE NETHERLANDS	2023-Efectis-R000360 2023-Efectis-R000361 2022-Efectis-R000779 2022-Efectis-R000780	EN ISO 11925-2:2020 EN 13823:2020 EN 13823:2020 EN 13823:2020

3.3 TEST RESULTS

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – maximum	Compliance with parameters
EN ISO 11925-2				
Surface flame Impingement	Fs ≤150 mm	6	85	-
	Ignition of filter paper		-	Compliant
Edge flame Impingement	Fs ≤150 mm	6	140	-
	Ignition of filter paper		-	Compliant
Surface flame Impingement White	Fs ≤150 mm	6	60	-
	Ignition of filter paper		-	Compliant
Edge flame Impingement White	Fs ≤150 mm	6	110	-
	Ignition of filter paper		-	Compliant
Surface flame Impingement Red Coral	Fs ≤150 mm	6	70	-
	Ignition of filter paper		-	Compliant
Edge flame Impingement Red Coral	Fs ≤150 mm	6	140	-
	Ignition of filter paper		-	Compliant

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
EN 13823 Report 2023-Efectis-R000361				
Red Coral	FIGRA _{0.2MJ} [W/s]	3	95	-
	FIGRA _{0.4MJ} [W/s]		64	-
	THR _{600s} [MJ]		4.6	-

	LFS < edge		-	Compliant
	SMOGRA [m ² /s ²]		0.0	-
	TSP _{600s} [m ²]		32	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		- -	Compliant Compliant
EN 13823 Report 2022-Efectis-R000779				
White	FIGRA _{0.2MJ} [W/s]	1	55	-
	FIGRA _{0.4MJ} [W/s]		44	-
	THR _{600s} [MJ]		3.3	-
	LFS < edge		-	Compliant
	SMOGRA [m ² /s ²]		1.2	-
	TSP _{600s} [m ²]		29	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		- -	Compliant Compliant
EN 13823 Report 2022-Efectis-R000780				
Black	FIGRA _{0.2MJ} [W/s]	1	32	-
	FIGRA _{0.4MJ} [W/s]		29	-
	THR _{600s} [MJ]		3.2	-
	LFS < edge		-	Compliant
	SMOGRA [m ² /s ²]		0.0	-
	TSP _{600s} [m ²]		33	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		- -	Compliant Compliant

3.4 CLASSIFICATION CRITERIA

Fire classification of construction products and building elements Excluding floorings and linear pipe thermal insulation products			
Classification criteria			
Class Test method(s)	B	C	D
EN ISO 11925-2 Exposure = 30 s	F _s ≤ 150 mm within 60 s Ignition of the paper in EN ISO 11925-2 results in a d2 classification.		
EN 13823	FIGRA _{0.2 MJ} ≤ 120 W/s LFS < edge of specimen THR _{600s} ≤ 7.5 MJ	FIGRA _{0.4 MJ} ≤ 250 W/s LFS < edge of specimen THR _{600s} ≤ 15 MJ	FIGRA _{0.4 MJ} ≤ 750 W/s
Additional classification			
Smoke production	s1 = SMOGRA ≤ 30 m ² /s ² and TSP _{600s} ≤ 50 m ² ; s2 = SMOGRA ≤ 180 m ² /s ² and TSP _{600s} ≤ 200 m ² ; s3 = not s1 or s2		
Flaming Droplets/particles	d0 = no flaming droplets/ particles in EN 13823 within 600 s; d1 = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s; d2 = not d0 or d1.		

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018.

4.2 CLASSIFICATION

The product, **ACOFELT® PREMIUM**, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

Reaction to fire classification: B – s1, d0

4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	9 mm
Surface density	2 kg/m ²
Other properties	Available in all colours.

This classification is valid for the following end use applications:

Substrate	Non-combustible (class A1/A2, 870 ± 50 kg/m ³ , according to EN 13238:2010)
Application	Mechanically fixed
Air gap	No
Methods and means of fixing	Mechanically fixed
Joints	No
Other aspects of end use conditions	Closed surface, no openings or gaps between components

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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