

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

Classification no.	2021-Efectis-R001584
Sponsor	Wentex International BV Italiëlaan 4b 2391 PT HAZERSWOUDE-DORP THE NETHERLANDS
Product name	<b>Medium Gloss Satin</b> Black and white colour
Prepared by	Efectis Nederland BV
Notified body no.	1234
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## 1. INTRODUCTION

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This classification report defines the classification assigned to **Medium Gloss Satin** in accordance with the procedures given in EN 13501-1:2018.

## 2. DETAILS OF CLASSIFIED PRODUCT

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### 2.1 GENERAL

The product, Medium Gloss Satin, is defined as a fabric (for application e.g. curtains for theatres, fairs and events).

### 2.2 IMPORTER

Wentex International BV  
Italiëlaan 4b  
2391 PT HAZERSWOUDE-DORP  
THE NETHERLANDS

### 2.3 PRODUCT DESCRIPTION

Product description:

100% Polyester (PES) fibres woven into a fabric. The product is symmetrical. The PES fibres are manufactured in Taiwan and the fabric is woven in China.

The product has a total thickness of <1 mm and a mass per unit area of approx. 175 g/m<sup>2</sup>. The product is available in the colours black and white

## 3. STANDARDS, REPORTS, RESULTS AND CRITERIA IN SUPPORT OF THIS CLASSIFICATION

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### 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
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	Wentex International BV THE NETHERLANDS	2021-Efectis-R001581 2021-Efectis-R001582	EN ISO 11925-2:2020 EN 13823:2020

### 3.3 TEST RESULTS

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – maximum	Compliance with parameters
<b>EN ISO 11925-2</b>				
Surface flame Impingement Black Colour	Fs ≤150 mm	6	70	-
	Ignition of filter paper		-	Compliant
Edge flame Impingement Black Colour	Fs ≤150 mm	6	70	-
	Ignition of filter paper		-	Compliant
Surface flame Impingement White colour	Fs ≤150 mm	2	35	-
	Ignition of filter paper		-	Compliant
Edge flame Impingement Black Colour	Fs ≤150 mm	2	30	-
	Ignition of filter paper		-	Compliant

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
<b>EN 13823</b>				
Black	FIGRA <sub>0.2MJ</sub> [W/s]	3	0	-
	FIGRA <sub>0.4MJ</sub> [W/s]		0	-
	THR <sub>600s</sub> [MJ]		0.2	-
	LFS < edge		-	Compliant
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		0.0	-
	TSP <sub>600s</sub> [m <sup>2</sup> ]		16	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		- -	Compliant Compliant

<b>EN 13823</b>				
White	FIGRA <sub>0.2MJ</sub> [W/s]	1	0	-
	FIGRA <sub>0.4MJ</sub> [W/s]		0	-
	THR <sub>600s</sub> [MJ]		0.0	-
	LFS < edge		-	Compliant
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		0.0	-
	TSP <sub>600s</sub> [m <sup>2</sup> ]		18	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		- -	Compliant Compliant

### 3.4 CLASSIFICATION CRITERIA

<b>Fire classification of construction products and building elements</b> Excluding floorings and linear pipe thermal insulation products			
<b>Classification criteria</b>			
Class	<b>B</b>	<b>C</b>	<b>D</b>
Test method(s)			
<b>EN ISO 11925-2</b> Exposure = 30 s	F <sub>s</sub> ≤ 150 mm within 60 s Ignition of the paper in EN ISO 11925-2 results in a d2 classification.		
<b>EN 13823</b>	FIGRA <sub>0.2 MJ</sub> ≤ 120 W/s LFS < edge of specimen THR <sub>600s</sub> ≤ 7.5 MJ	FIGRA <sub>0.4 MJ</sub> ≤ 250 W/s LFS < edge of specimen THR <sub>600s</sub> ≤ 15 MJ	FIGRA <sub>0.4 MJ</sub> ≤ 750 W/s
<b>Additional classification</b>			
Smoke production	<b>s1</b> = SMOGRA ≤ 30 m <sup>2</sup> /s <sup>2</sup> and TSP <sub>600s</sub> ≤ 50 m <sup>2</sup> ; <b>s2</b> = SMOGRA ≤ 180 m <sup>2</sup> /s <sup>2</sup> and TSP <sub>600s</sub> ≤ 200 m <sup>2</sup> ; <b>s3</b> = not s1 or s2		
Flaming Droplets/particles	<b>d0</b> = no flaming droplets/ particles in EN 13823 within 600 s; <b>d1</b> = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s; <b>d2</b> = 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, **Medium Gloss Satin**, 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	<1 mm
Surface density	175 g/m <sup>2</sup>
Other properties	Composed of 100% Polyester (PES) fibres. Available in the colours black and white

This classification is valid for the following end use applications:

Substrate	Not applicable
Application	Free hanging
Air gap	Not applicable
Methods and means of fixing	Mechanically fixed
Joints	Yes Sticked seams
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

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



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