

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

Classification no.	2025-Efectis-R000249
Sponsor	NPSP BV Schieweg 15A -10 2627 AN DELFT THE NETHERLANDS
Product name	<b>Nabasco 8012 Fire v9_01-2025</b>
Prepared by	Efectis Nederland BV
Author(s)	J.S. Hart Ph.D. A.J. Lock B.R. Knottnerus B.Sc.
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## 1. INTRODUCTION

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This classification report defines the classification assigned to **Nabasco 8012 Fire v9\_01-2025** 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, **Nabasco 8012 Fire v9\_01-2025**, is defined as a façade covering.

### 2.2 MANUFACTURER

NPSP BV  
Schieweg 15A -10  
2627 AN DELFT  
THE NETHERLANDS

### 2.3 PRODUCT DESCRIPTION

According to the sponsor the product is composed of:

- Natural fibres;
- Resin (partly bio-based);
- Fillers from residual flow sources.

The product has the following properties:

- Flat tiles branded Nabasco 8012, dimensions 595 x 595 x 8 mm;
- Colour: cream with randomly distributed particles of multiple colours;
- Approximate density: 1700 kg/m<sup>3</sup>.

The product is mounted against a non-fire retardant Pinewood support frame, dimensions 50 x 50 mm, density 450 kg/m<sup>3</sup> with a fire-retardant sealing rubber with a thickness of 2 mm between the frame and the tiles. The support frame is fixed with metal clamps with a height of 68 mm to the back wall.

## 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+A1:2022	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	NPSP BV THE NETHERLANDS	2025-Efectis-R000250 2025-Efectis-R000248	EN ISO 11925-2:2020 EN 13823:2020+A1:2022

### 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	20	-
	Ignition of filter paper		-	Compliant
Edge flame Impingement	Fs ≤150 mm	6	15	-
	Ignition of filter paper		-	Compliant

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
EN 13823				
	FIGRA <sub>0.2MJ</sub> [W/s]	3	24	-
	FIGRA <sub>0.4MJ</sub> [W/s]		24	-
	THR <sub>600s</sub> [MJ]		3.4	-
	LFS < edge		-	Compliant
	SMOGRA [m²/s²]		2.5	-
	TSP <sub>600s</sub> [m²]		40	-
	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
<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

Additional classification	
Smoke production	<b>s1</b> = SMOGRA $\leq 30 \text{ m}^2/\text{s}^2$ and TSP <sub>600s</sub> $\leq 50 \text{ m}^2$ ; <b>s2</b> = SMOGRA $\leq 180 \text{ m}^2/\text{s}^2$ and TSP <sub>600s</sub> $\leq 200 \text{ m}^2$ ; <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, **Nabasco 8012 Fire v9\_01-2025**, 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

###### 4.3.1 Direct field of application

This classification is valid for the following product parameters:

Thickness	8 mm
Density	Approx. 1700 kg/m <sup>3</sup>
Surface density	Approx. 13.6 kg/m <sup>2</sup>
Shape	Flat Surface
Colour	Cream with randomly distributed particles of multiple colours

This classification is valid for the following end use applications:

Substrate	Standard substrates density > 75% nominal density Non-combustible (class A1/A2, 870 kg/m <sup>3</sup> , according to EN 13238:2010)
Application	Wall panels
Air gap	≥ 120 mm
Methods and means of fixing	Mechanical mounted on a non-fire retardant Pinewood support frame 50 x 50 mm with a density 450 kg/m <sup>3</sup> . The wooden frame is fixed to the back wall with metal clamps with a height of 68 mm.
Joints	Yes
Other aspects of end use conditions	Mechanically fixed and fire-retardant sealing rubber with a thickness of 2 mm between the frame and the tiles.

#### 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.



J.S. Hart Ph.D.  
Project Leader Reaction to Fire



A. Lock  
Senior Project Leader Reaction to Fire



B.R. Knottnerus B.Sc.  
Manager Reaction to Fire