

## REACTION TO FIRE CLASSIFICATION IN ACCORDANCE TO THE STANDARD EN 13501-1:2018

Petitioner's reference: **BARLESA, S.L.**  
P.I. Ollod Avda. Països Catalans S/N  
08186 – Lliça d'Amunt  
Barcelona

Prepared by: **LGAI Technological Center, S.A.  
(APPLUS)**  
Campus UAB  
Ronda de la Font del Carme, s/n  
E - 08193 Bellaterra (Barcelona)

Product name: **Producto ignífugo: Pest Defender**

Report No.: **25/32302718-2**

Date of issue: **22<sup>nd</sup> April, 2025**

### **1- INTRODUCTION**

This classification report defines the classification assigned to Producto ignífugo: Pest Defender in accordance with the procedures given in the EN 13501-1:2018 standard.

The reproduction of this document is only authorised if it is made in its totality. Electronically signed reports in digital format are considered original documents, as well as its electronic copies. Their printing has no legal validity. This document has 6 pages, of which - are annexes. LGAI Technological Center, S. A. is not responsible for the documentation and / or information provided by the petitioner and such information is not covered by accreditation.



## **2. DETAILS OF CLASSIFIED PRODUCT**

### **2.1.-General**

According to the petitioner, the product Producto ignífugo: Pest Defender is defined as pest control.

### **2.2.- Description of the product**

Samples of a flexible non-woven fabric, with Applus internal code 25/31829, was received with the following indications in accordance with the technical specifications provided by the petitioner:

Product trade name: **Producto ignífugo: Pest Defender**

Technical details of the sample:

Flexible non-woven fabric with a thickness of 14 mm, a density of 125 kg/m<sup>3</sup>, superficial density of 1,75 kg/m<sup>2</sup>, grey colour and rough appearance. The product is fireproof.

Fixing system: The product was fixed mechanically with staplers on a gypsum plasterboard (Gypsum plasterboard in accordance with the specifications of the standard UNE-EN 13238:2011).

Manufacturer: BARLESA, S.L. P.I. Ollod Avda. Països Catalans S/N. 08186 – Lliçà d'Amunt. Barcelona

## **3- REPORT AND RESULTS IN SUPPORT OF THIS CLASSIFICATION**

### **3.1- Reports**

<b>Name of Laboratory</b>	<b>Name of Petitioner</b>	<b>Report ref. no.</b>	<b>Test method and date</b>
Applus – LGAI	Barlesa, S.L.	25/32302718-1	EN ISO 11925-2:2020 24-01-2025
			EN 13823:2020+A1:2022 04-04-2025

### 3.2- Results of the Tests

Test Method	<b>RESULTS – Producto ignífugo: Pest Defender</b>			
	<b>CRITERIA CLASS B</b>	<b>Nº TESTS</b>	<b>AVERAGE</b>	<b>COMPLIANCE</b>
EN ISO 11925-2:2020	$F_s \leq 150$ mm within 60 s	12	$F_s < 150$ mm	<b>YES</b>
EN 13823:2020+A1:2022	$FIGRA_{0,2 MJ} \leq 120$ W/s	3	117	<b>YES</b>
	LFS < < edge of the sample	3	< to edge	<b>YES</b>
	$THR_{600s} \leq 7,5$ MJ	3	1,1	<b>YES</b>
	<b>CRITERIA subclass 's2'</b>	<b>Nº TESTS</b>	<b>AVERAGE</b>	<b>COMPLIANCE</b>
	$SMOGRA \leq 180$ m <sup>2</sup> /s <sup>2</sup>	3	98	<b>YES</b>
	$TSP_{600s} \leq 200$ m <sup>2</sup>	3	112	<b>YES</b>
	<b>CRITERIA subclass 'd0'</b>	<b>Nº TESTS</b>	<b>AVERAGE</b>	<b>COMPLIANCE</b>
Fall of droplets/particles in flames within 600 s	3	NO	<b>YES</b>	

## 4- CLASSIFICATION AND FIELD OF APPLICATION

### 4.1- Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018: "Classification in terms of the behaviour to fire of construction products and building elements. Part 1: Classification made from the data gathered during fire reaction tests".

### 4.2- Classification

The product, Producto ignífugo: Pest Defender in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s2**

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

**d0**

<b>Fire behaviour</b>		<b>Smoke production</b>		<b>Flaming droplets</b>
B	-	s	2	, d 0

**REACTION TO FIRE CLASSIFICATION: B-s2,d0**

**This classification is only valid for the final conditions of use described in the present report.**

**4.3.- Field of application**

- This classification is valid for the following product parameters:

The classification is only valid for the product characteristics shown, with the following parameters being extended:

- Variable parameter 1: Substrate

The tests were carried out with the product applied on a gypsum plasterboard substrate, with a density of  $(700 \pm 100)$  kg/m<sup>3</sup>, a thickness of  $(12,5 \pm 0,5)$  mm.

The obtained results are valid for substrates of end use gypsum plasterboard and also any end use substrate of classes A1 and A2-s1,d0.

The obtained results are valid for substrates with a density of at least 75% of the nominal density of the test substrate, according to standard EN 13238:2010.

- The classification is valid for the following final use applications:

The product Producto ignífugo: Pest Defender is intended to be used as pest control.

Substrate	Gypsum plasterboard
Fixing method	Fixed with staplers
Joint	Vertical joint
Air cavity	Non-cavity and non-ventilated
Others	-

**5.- LIMITATIONS**

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

Laboratory Manager  
LGAI Technological Center S.A. (APPLUS)

Responsible of Euroclasses  
LGAI Technological Center S.A. (APPLUS)

---

The uncertainty expanded of the measure U, has been obtained by multiplying the typical measurement uncertainty by the coverage factor k, such that the coverage probability is approximately 95%

---

The results refer exclusively to the samples tested at the time and under the conditions indicated. The results refer exclusively to the samples tested at the time and under the conditions indicated. The decision rule agreed with the client to give a declaration of conformity with the specification or standard, is following a simple binary decision rule, in line with what is established ILAC G8.

---

Uncertainty associated to the Small Burner Test: Time= $\pm 1,2$  s.

Uncertainty associated to the Single Burned Item (SBI) Test: FIGRA0,2MJ  $\pm 126$  W/s; THR600s= $\pm 1,9$  MJ; SMOGRA= $\pm 21$  m<sup>2</sup>/s<sup>2</sup>; TSP600s= $\pm 54$  m<sup>2</sup>; Time (Fall of droplets/particles) =N.A.

---

Applus+ guarantees that this task has been carried out in compliance with the requirements of our Quality and Sustainability System, and furthermore, that the contractual terms and legal regulations have been complied with. In the framework of our improvement programme, we would appreciate any comments you may deem appropriate. These should be addressed to the manager who signs this document, or to the Quality Director of Applus+, at the following address:[satisfaccion.cliente@applus.com](mailto:satisfaccion.cliente@applus.com)

---