

Bellaterra: 06<sup>th</sup> March, 2019  
File number: **19/18560-275 Part 2**  
Petitioner's reference: **SYNTHESIA TECHNOLOGY EUROPE, S.L.U.**  
C/Argent, 3  
08755 Castellbisbal (Barcelona)



## CLASSIFICATION REPORT

### **1- PRODUCT CHARACTERISTICS**

Product trade name: POLIURETAN SPRAY S-503 HFO  
Batch 1174619

Rigid insulating polyurethane foam (PUR), close cell, 60 mm in thick (4 layers of 1.5 cm approximately), density of 55 kg/m<sup>3</sup>, yellowy colour and orange peel appearance.

The test was carried out without substrate.

Manufacturer: Synthesia Technology Europe, S.L.U. Address: C/Argent, 3 – 08755 Castellbisbal (Barcelona)

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**2- CLASSIFICATION AND DIRECT APPLICATION FIELD**

This classification has been made in compliance with the procedures provided in Standard UNE-EN 13501-1:2007+A1:2010: "Fire classification of construction products and building elements. Part 1: Classification using data from reaction to fire tests".

**2.1- Test reports**

<b>Name of the Laboratory</b>	Applus - LGAI
<b>Name of Petitioner</b>	Synthesia Technology Europe, S.L.U.
<b>Test Report Number</b>	19/18560-275 Part 1
<b>Testing method</b>	UNE-EN ISO 11925-2:2011

**2.2- Test Results**

Testing method	RESULTS - POLIURETAN SPRAY S-503 HFO			
	CRITERIA CLASS E	Nº OF TESTS	RESULTS	COMPLIANCE
UNE-EN ISO 11925-2:2011	F <sub>s</sub> ≤ 150 mm in 20 seconds	12	< 150	YES
	Paper inflammation		NO	YES

**CLASSIFICATION**

With regards, to its behaviour when reacting to fire, the product Poliuretán Spray S-503 HFO, is classified as follows:

Behaviour to fire		Smoke production		Droplets in flames
E	-	s	-	d

**Fire reaction classification: CLASS E**

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

### **2.3- Field of Application**

- This classification is valid for the following product parameters:

The classification is only valid for the product characteristics shown.

- This classification is valid for following final conditions of use:

Thermal insulation for buildings.

### **2.4- Limitations**

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

Responsible of the Fire Laboratory  
LGAI Technological Center S.A. (APPLUS)

Responsible of Reaction to Fire  
LGAI Technological Center S.A. (APPLUS)

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The results refer exclusively to the samples tested at the time and under the conditions indicated.

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