

LGAI Technological Center, S.A. (APPLUS) Campus UAB Ronda de la Font del Carme, s/n E - 08193 Bellaterra (Barcelona) T +34 93 567 20 00 F +34 93 567 20 01 www.appluslaboratories.com



E/F Page 1

Bellaterra:

18th March, 2019

File number:

19/19154-456 Part 1



Petitioner's reference:

TEST REPORT

Date at which the sample was received: 07/03/2019

1. - OBJECT OF THE TEST

Fire tests of construction products in compliance with the following standard:

- UNE-EN ISO 11925-2:2011: Reaction to fire tests. Ignitability of products subjected to direct impingement of flame. Part 2: Single-flame source test. (ISO 11925-2:2010).

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 4 pages, of which -- are annexes.

LGAI Technological Center S.A. Inscrita en el registro Mercantil de Barcelona, Tomo 35.803, Folio1, Hoja Nº B-266.627 Inscripción 1ª C.I.F. : A-63207492



File nº **19/19154-456 Part 1**

Page 2

2. - PRODUCT CHARACTERISTICS

A SBR recycled rubber was received with the following indications in accordance with the technical specifications provided by the petitioner:

Rubber tile made of recycled rubber composed by SBR recycled rubber granules + binder, thickness of 20 mm, superficial density of 18 kg/m², black colour, squared tile and flat surface.

Product trade name: **BEKA RUBBER TILE**

The product was tested without substrate.

Manufacturer: BEKA SPOR ZEMINLERI SAN. VES DIS TIC. LTD. STI., Altunizade Mah. Kisikli Cad. Tekin-Ak Is Merkezi No:3 D:8 , 34662 Üsküdar – Ístambul /TURKEY

3.- MAINTENANCE SPECIFICATIONS

Not applied.

4. - DESCRIPTION OF THE FINAL CONDITIONS FOR USE

Indoor and outdoor climbing wall areas, indoor and outdoor playgrounds, recreation areas, playing rooms, child care centers and fitness facilities.

5. <u>- CONDITIONING</u>

The product conditioning was conducted in compliance with Standard UNE-EN 13238:2011: "Reaction to fire tests for building products. Conditioning procedures and general rules for selection of substrates".

The samples were stored in a conditioning chamber at (23 ± 2) °C, and at (50 ± 5) % relative humidity, until a constant weight was reached.



File nº **19/19154-456 Part 1**

Page 3

6. – <u>TESTS</u>

6.1.- Small Burner Test in compliance with standard UNE-EN ISO 11925-2:2011

Date at which test was performed: Start: 13/03/2019 End: 14/03/2019

During the tests, the environmental conditions of the laboratory were maintained at temperature of (23 ± 5) °C, and relative humidity of (50 ± 20) %.

6.1.1. – Method specifications according to final conditions for use:

6.1.1.a)- Flame exposure conditions

The flame was applied above the surface of the sample, in accordance with the specifications contained in paragraph 7.3.3.1 of the test standard.

6.1.1.b)- Conditions for flame application: 15 seconds

6.1.2.- General procedure based on paragraph 7.

Air velocity in compliance with paragraph 4.2 of the testing standard: 0.7 m/s

	Application of the flame on the surface					
TEST SAMPLES	Lengthwise			Crosswise		
	I	II	III	I	п	III
Duration of inflammation (in s)	-	-	-	-	-	-
Time needed to reach 150 mm (in s)	-	-	-	-	-	-
Paper inflammation (yes/no)	NO	NO	NO	NO	NO	NO

(-) no inflammation has occurred during the test performance, thus 150 mm propagation was not reached.

Remarks

During the test, no inflammation of the product nor fall of inflamed material on the filter paper was observed.

Measurement uncertainty

Not applicable, since it is not measured.



Page 4

6.2.-Results

6.2.1- UNE-EN ISO 11925-2:2011

	Flame propagation	Paper inflammation
Application of the flame on the surface	Fs < 150 mm in 20 seconds	NO

The test results relate to the behaviour of test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

The Euro class to which the tested product belongs is defined in Part 2 of the Classification Report.



Digitally signed by Salvador Suñol Gálvez

Digitally signed by Vanessa Tutusaus Domingo

Responsible of the fire laboratory LGAI Technological Center S.A. (APPLUS) Responsible Technician of Reaction to Fire LGAI Technological Center S.A. (APPLUS)

The results refer exclusively to the samples tested at the time and under the conditions indicated. The uncertainties expressed in this document pertain to the expanded uncertainty, which has been obtained by multiplying the typical measurement uncertainty by the coverage factor k=2 which, for a regular distribution, corresponds to a coverage probability of approximately 95%.

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