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Bellaterra: 8th November, 2018

File number: **18/17608-1350**

Petitioner's reference: **THE SIZE SURFACES, S.L.**
P.I. Cami Fondo
Supoi 8
C/Del Ibers, nº31
12002 Almazora (Castellon)

TEST REPORT

Date which the sample was received: 4-07-2018

1.- OBJECT OF THE TEST

-AS 1530.1 – 1994 – Methods for fire tests on building materials, components and structures. Part 1: Combustibility test for materials.

2.- PRODUCT CHARACTERISTICS

Porcelain material has been received with the following instructions, according to the technical specifications provided by the petitioner:

Product's commercial reference: NEOLITH

Unglazed porcelain material, with a thickness of 12 mm, light brown colour and smooth appearance.

Manufacturer: The Size Surfaces, S.L. Address: P.I. Cami Fondo - Supoi 8 - C/Del Ibers nº 31 – 12002 Almazora (Castellon)

3.- DESCRIPTION OF THE FINAL CONDITIONS FOR USE

Porcelain material

4.- TESTS

4.1.- Combustibility test for materials with standard AS 1530.1-1994

Date at which test was performed: Start: 29-10-2018
End: 1-11-2018

4.1.1. - Gathering of samples

From the product, 5 samples for testing and 2 in reserve were obtained.

4.1.3.- Preparation of samples

Cylinder-shaped specimens measuring 45^{+0}_{-2} mm in diameter and 50±3 mm in height were prepared, in accordance with section 2.2 of the test standard.

4.1.4.- Conditioning

The specimens were conditioned in a ventilated oven maintained at 60 ºC±5 ºC for between 20h and 24 h, and cooled to ambient temperature in a desiccator prior to testing, in accordance with the instruction specified in section 2.2.5 of the test standard.

4.1.5.- Data obtained

Test Nº	Initial temperature of the oven (ºC)	Increase in Temperature (ºC)			Sustained flame duration (s)	Loss of mass (%)
		Oven ΔTf	Surface ΔTs	Centre ΔTc		
1	751.2	10.3	4.0	2.0	-	0.004
2	751.1	8.3	2.7	0.7	-	0.004
3	751.7	10.7	1.6	1.4	-	0.003
4	749.2	9.2	2.1	1.5	-	0.004
5	757.0	12.6	1.6	1.7	-	0.005
Mean Value:		10.2	2.4	1.5	**-**	0.004

(-) no inflammation has occurred during the test.

Maximum uncertainty associated to the measurement

Factor	Uncertainty
Temperature	± 5.7 ºC
Weight	± 1.09 g
Time	Not applied

5.- TEST RESULTS

Testing method	**AS 1530.1-1994**
Values obtained	Mean furnace thermocouple temperature rise ΔT_f : **10.2 ºC** Mean specimen centre thermocouple temperature rise ΔT_c : **1.5 ºC** Mean specimen surface thermocouple temperature rise ΔT_s : **2.4 ºC** Mean duration of sustained flaming : **0 seconds** Mean mass loss : ≃ **0 %**

6.- CLASSIFICATION

Criteria of combustibility:
A material shall be deemed to be combustible under any of the following circumstances:

a) The mean duration of sustained flaming, as determined in accordance with Clause 3.2, is other than zero

b) The mean furnace thermocouple temperature rise, as determined in accordance with Clause 3.1, exceeds 50ºC.

c) The mean specimen surface thermocouple temperature rise, as determined in accordance with Clause 3.1, exceeds 50ºC.

NEOLITH		
AS 1530.1-1994		**COMPLIANCE**
Mean duration of sustained flaming:	**0 s**	**Yes**
Mean furnace thermocouple temperature rise ΔT_f	**10.2 ºC**	**Yes**
Mean specimen surface thermocouple temperature rise ΔT_s	**2.4 ºC**	**Yes**

The product with reference: NEOLITH is not deemed as COMBUSTIBLE

These results relate only to the behaviour of the test specimens of the material under the particular conditions of the test and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.

Digitally signed by
Jordi Mirabent Junyent

Responsible of the fire laboratory
LGAI Technological Center S.A. (APPLUS)

Digitally signed by
Salvador Suñol Gálvez

Responsible of Euroclass
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