

Bellaterra 17th November, 2009

V/F
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File 09/100670-1720 M1 Part 2 English Version



Product's commercial reference: PARMEPHON SOLO

The product consists of four layers:

- Layer 1: 0.4 mm-thick glasswool fleece with a 60 Kg/m² superficial density, and transparent colour.
- Layer 2: 40 mm-thick glasswool with a 95 Kg/m³ density, and yellow colour.
- Layer 3: 0.4 mm-thick glasswool fleece a 60 Kg/m² superficial density, and transparent colour.
- Layer 4: 0.6 mm-thick fabric with a 233 Kg/m² superficial density, and white colour.

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This document has 3 pages, of which -- are annexes.

2 – CLASSIFICATION AND DIRECT APPLICATION FIELD

This classification has been made in compliance with the procedures provided in Standard UNE-EN 13501-1:2007: "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".

2.1- Test reports

| | |
|--------------------|---|
| Name of Laboratory | Applus - LGAI |
| Name of Petitioner | AKTAV AKUSTIK MLZ. SAN. VE TIC. A.S. |
| Test Report Number | 09/100670-1720 M1 Part 1 |
| Testing Method | UNE-EN-ISO 11925-2:2002 UNE-EN 13823 :2002 |

2.2- Results of the Tests

| Testing method | PARMEPHON SOLO-VELUM ACOUSTIC WALL PANELS | | | |
|---|--|--------------|----------------|------------|
| | CRITERIA CLASS B | Nº OF TESTS | AVERAGE | COMPLIANCE |
| UNE-EN-ISO 11925-2:2002 | $F_s \leq 150$ mm dentro de 60 s | 12 | $F_s < 150$ mm | YES |
| UNE-EN 13823 :2002 | $FIGRA_{0.2MJ} \leq 120$ W/s | 3 | 74.96 | YES |
| | LFS < sample edge | 3 | < to edge | YES |
| | $THR_{600s} \leq 7.5$ MJ | 3 | 1.60 | YES |
| | CRITERIA subclass 's1' | Nº OF TESTS | AVERAGE | COMPLIANCE |
| | $SMOGRA \leq 30$ m ² /s ² | 3 | 34.70 | NO |
| | $TSP_{600s} \leq 50$ m ² | 3 | 55.69 | NO |
| | CRITERIA subclass 's2' | Nº EOF TESTS | AVERAGE | COMPLIANCE |
| | $SMOGRA \leq 180$ m ² /s ² | 3 | 34.70 | YES |
| | $TSP_{600s} \leq 200$ m ² | 3 | 55.69 | YES |
| | CRITERIOS subclasse 'd0' | Nº OF TESTS | AVERAGE | COMPLIANCE |
| Fall of droplets/particles in flames within 600 s | 3 | NO | YES | |

* It has been used the procedure for the smoke measure according to UNE EN 13823 and to the document GNB-CPD of SH02- Smoke measure in the SBI - Discrepancy between the two burners – NB-CPS/SH02/04/047 - elaborated by the group of notified bodies.

CLASSIFICATION

The product, PARMEPHON SOLO-VELUM ACOUSTIC WALL PANELS, according to the classification rule of the product tested, it is a Euro class:

| Behaviour to fire | | Smoke production | | Droplets in flames |
|-------------------|---|------------------|---|--------------------|
| B | - | s | 2 | d 0 |

Fire reaction classification: CLASS B s2 d0

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

"Point "2.3 – Field of Application" below falls beyond the ENAC accreditation scope".

2.3 – Field of Application

- This classification is valid for the following product parameters:

The classification is only valid for the specified product characteristics.

- This classification is valid for the following conditions:

For interior environments

2.4 - Limitations

This classification standard should not be construed as a standard approval or certification of the product.

LGAI Technological Center, S.A.

Jordi Mirabent
Fire Controller

LGAI Technological Center S.A.

LGAI Technological Center, S.A.

Vanessa Tutusaus
Chief Technician

LGAI Technological Center S.A.

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

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@appluscorp.com

In the event of litigation, the Spanish version will be valid