

X/F

Bellaterra: **23 of june of 2011**

File number: **11/3160-1470 Part 2 (English version)**

Test sponsor: **PANELES AISLANTES PENINSULARES s.l**
Poligono 505, Parcela 62 B
16440 Montalbo (Cuenca)



This report is the English version of the original report 11/3160-1470 Parte 2, sent on 22th of June of 2011.

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

CLASSIFICATION REPORT

1.- INTRODUCTION

This classification report of fire resistance defines the classification assigned to a vertical enclosure of 3.00 x 3.00 m made by "FRIGOPAP PIR 200"boards from Paneles Aislantes Peninsulares s.l.

2. - DETAILS OF THE CLASSIFIED ELEMENT

2.1. - Function

The tested element, an enclosure of 3.00x 3.00 m, is defined as a vertical enclosure. Its function is to resist fire so that it maintains its integrity and thermal insulation in the terms stated in the section 5 of the UNE EN 13501-2:2009+A1:2010 standard.

2.2. - Description

In the test report, a full description of the test sample is available. Classification stated in this report (see section 4) is based on this sample.

3.- TEST REPORT

This classification report is based on the following test report:

File nº: **11/3160-1470 Parte 1**
Dated on: **22 de June de 2011**
Test performed on: **27 of May of 2011**

The reproduction of this document is only authorised if it is fully reproduced.
Only are valid copies of this document if are attested or contain original signatures.
This document contains 3 pages

4. - TEST RESULTS

4.1. - Test Standard:

UNE-EN 1364-1: 2000: "Fire resistance tests for non-loadbearing elements. Part 1: Walls".

4.2.- CONDITIONS OF THE EXPOSURE

Temperature/time Curve	$T = 345 \log_{10}(8t + 1) + 20$
Exposure direction	Enclosure exposed on the side with L profiles of 75 mm x 75 mm and 2 mm in thickness.
Number of exposed sides	1
Applied load	No one
Support conditions	Free right side

4.3.- TABLE OF RESULTS

	Minute failure	Reason
Integrity	It was maintained the entire test, 70 minutes	-
Thermal insulation	Minute 69	Temperature of thermocouples 19 increases 180°C more than its initial one

5. - CLASSIFICATION

According to section 7.5 of UNE EN 13501-2:2009+A1:2010, classification of the tested element is the following:

3.0 x 3.0 m vertical enclosure made by "FRIGOPAP PIR 200" boards from Paneles Aislantes Peninsulares s.l	EI 60
--	-------

The information related to the "DIRECT FIELD OF APPLICATION", is out of the ENAC jurisdiction.

6.- DIRECT FIELD OF APPLICATION

Feature	Tested sample	Allowed change/s
Height	- 3000 mm - Deflection < 100 mm - Expansion allowances are increased pro-rata.	- Decrease in dimensions are allowed - Increase to 4000 mm is allowed

Thickness	- 200 mm	- Increase allowed
Thickness of component materials	Profiles of 2.0 mm and 1.0 mm in thickness.	- Increase allowed
Linear dimensions of boards/panels	- 2 boards of 3000 x 1185 mm and 1 board of 3000 x 630 mm - 200 mm in thickness	- Decrease of linear dimensions of the panel allowed. - Decrease of thickness not allowed
Distance of fixing centres	- Panels fixed at profiles each 150 mm by its exposed face and 200 mm by its unexposed side.	- Decrease allowed
Horizontal joints	- Not tested	- N/A
Vertical joints	- Not tested	- Assembling with vertical joints allowed.
Surface fixing and fittings	- N/A	- N/A
Width	- 3000 mm - Right vertical edge without restrain	- Width of an identical construction can be increased
Supporting construction	- N/A	- N/A

Period of validity is that one stated in the product certification system.

This document cannot be considered neither a passing nor a product certification.

Fire Laboratory Responsible
LGAI Technological Center, S.A.

Fire Resistance Responsible
LGAI Technological Center, S.A.

The results refer exclusively to the sample, product or material surrendered to the Laboratory, just as it is informed in the section of received material and tested under the conditions indicated in the norms mentioned in this document.

Quality Service Warranty

Applus+, guaranties that this work has been realized following the exigencies of our Quality and Sustainable System, complying with honouring the contractual conditions and the legal standard.

We would be very grateful if you would send us any comment you consider appropriate, addressing either to the signatory of this document or to the Applus+ Quality Director, to the direction satisfaccion.cliente@appluscorp.com