

Bellaterra : 14 of January of 2008

File number : 08/32303054 Part 2

Test sponsor : Lorient Polyproducts LTD
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TEST SPONSOR

1.- INTRODUCTION

This classification report defines the classification of eight grids reference "LVH44", "LVH50", "LVV40" of different sizes and a single leaf door with reference "Turia 1/6 con rejilla intumescente" according to the procedures given in UNE EN 13501-2:2004.

2.- DETAILS OF CLASSIFIED ELEMENTS

2.1.- Type of function.

The tested elements are defined as eight grids and one single leaf metallic door. Their function is withstand the fire resistance characteristics of integrity and thermal insulation as described in the clause 5 of the standard UNE EN 13501-2:2004.

2.2.- Description

The tested elements are fully described in test report, in which classification defined in point 4 of this report is based.

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3.- TEST REPORT

UNE-EN 1634-1: 2000: " Fire resistance tests for door and shutter assemblies.
Part 1 : Fire doors and shutters.

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Sent with date: 14 of January of 2008

Test carried out on: 28 of September 2008

4.- TEST RESULTS

4.1.- Test standard:

UNE-EN 1634-1: 2000: " Fire resistance tests for door and shutter assemblies.
Part 1 : Fire doors and shutters.

4.2.- Exposure conditions

Temperature/time curve	$T = 345 \log_{10}(8t + 1) + 20$
Exposure direction	Grids with frame on the not exposed face and door opening to the exterior of furnace.
Number of exposed faces	1
Support conditions	Concrete brick wall

4.3.- Results table

Grid A.

	Failure minute	Reason
Integrity	11'	Flames appearance
Thermal Isolation	11'	Flames appearance

Grid B.

	Failure minute	Reason
Integrity	Do not fail during all the test, 121 minutes	-
Thermal Isolation	Do not fail during all the test, 121 minutes	-

Puerta C.

	Failure minute	Reason
Integrity	Do not fail during all the test, 121 minutes	-
Thermal Isolation	118'	Door's average temperature > 140 °C

Grid D.

	Failure minute	Reason
Integrity	Do not fail during all the test, 121 minutes	-
Thermal Isolation	Do not fail during all the test, 121 minutes	-

Grid E.

	Failure minute	Reason
Integrity	Do not fail during all the test, 121 minutes	-
Thermal Isolation	Do not fail during all the test, 121 minutes	-

Grid F.

	Failure minute	Reason
Integrity	Do not fail during all the test, 121 minutes	-
Thermal Isolation	Do not fail during all the test, 121 minutes	-

Grid G.

	Failure minute	Reason
Integrity	Do not fail during all the test, 121 minutes	-
Thermal Isolation	Do not fail during all the test, 121 minutes	-

Grid H.

	Failure minute	Reason
Integrity	Do not fail during all the test, 121 minutes	-
Thermal Isolation	Do not fail during all the test, 121 minutes	-

Grid I.

	Failure minute	Reason
Integrity	Do not fail during all the test, 121 minutes	-
Thermal Isolation	Do not fail during all the test, 121 minutes	-

Grid J.

	Failure minute	Reason
Integrity	Do not fail during all the test, 121 minutes	-
Thermal Isolation	Do not fail during all the test, 121 minutes	-

5.- CLASSIFICATION

According to clause 7.5. of UNE EN 13501-2:2004 the classification of the tested element is the following

Grid A ref. "LVH44" of dimensions 700 x 700 mm	Without classification
Grid B ref. "LVV40" of dimensions 400 x 400 mm	EI 120 Cat. A
Puerta "Turia 1/6" with intumescent Grid	EI ₂ 90 Cat B
Grid D ref. "LVH44" " of dimensions 200 x 200 mm	EI 120 Cat. A
Grid E ref. "LVH44" of dimensions 350 x 350 mm	EI 120 Cat. A
Grid F ref. "LVH50" of dimensions 400 x 400 mm	EI 120
Grid G ref. "LVH50" of dimensions 200 x 200 mm	EI 120
Grid H ref. "LVH50" of dimensions 1400 x 1400 mm	EI 120

Grid I ref. "LVH44" of dimensions 400 x 400 mm (with double Grid).	EI 120 Cat. A
Grid J ref. "LVH44" of dimensions 600 x 600 mm (with double Grid).	EI 120 Cat. A

The issues indicated in clause 6, "DIRECT FIELD OF APPLICATION" are out of the range of the ENAC accreditation.

6.- DIRECT FIELD OF APPLICATION

Fire test results are applied directly to similar constructions when one or more of modifications indicated in clause 13 of UNE EN 1634-1:2000 are carried out.

Validity period is the one indicated in the product certification system

This document doesn't represent any type approve and any certification of product.


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