CTF
centro técnico del fuego

CLASSIFICATION REPORT

NUMBER	**IC100014** *This classification report is a translation of the IC100012 classification report, issued on 30th of March, 2010*
DATE OF ISSUE	**5th of May, 2010**
PAGE	1 of **7**

BUILDING ELEMENT	**Type: FIRE DOOR** **Manufacturer: COMERCIAL INDUSTRIAL REPRO, S.L.** **Reference: SLIDING FIRE DOOR SCR CONSERVATION/FREEZING**
CLASSIFICATION	**UNE-EN 13501-2:2004** **Classification of the construction products and of the building elements considering their fire behaviour. Part 2: Classification using as a starting point the data obtained at the fire resistance tests excluding the ventilation facilities**
APPLICANT	**COMERCIAL INDUSTRIAL REPRO, S.L.** **Avda. del Mar, s/n** **46410 SUECA (Valencia)**

AIDICO
Registro de Salida
PATERNA
Fecha 26 MAYO 2010
N.º 42240

AUTHORIZED SIGNATORY/IES

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Resp. Fire Resistance Lab.

Signed: D. Francisco Martínez
General Deputy Manager

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1. INTRODUCTION

This classification report describes the classification of fire resistance assigned to the element:

SLIDING FIRE DOOR SCR CONSERVATION/FREEZING

according to the procedures established in regulation:

UNE-EN 13501-2:2004*	*Classification of the construction products and of the building elements considering their fire behaviour. Part 2: Classification using as a starting point the data obtained at the fire resistance tests excluding the ventilation facilities.*

* *NOTE: There is an updated version of regulation UNE-EN 13501-2:2009. This classification is carried out according to the 2004 version under the current Spanish regulation.*

2. DETAILS OF THE CLASSIFIED ELEMENT

2.1. Type of function

The element:

SLIDING FIRE DOOR SCR CONSERVATION/FREEZING

is defined as:

Fire door

Its function is to resist fire with respect to the characteristics of fire behaviour described in paragraph 5 of regulation UNE-EN 13501-2:2004.

2.2. Description

The element:

SLIDING FIRE DOOR SCR CONSERVATION/FREEZING

is fully described in the Test Report supporting this classification which is listed in chapter 3 of this report.

3. REPORTS AND RESULTS OF THE TESTS SUPPORTING THE CLASSIFICATION

3.1. Test reports

This Classification Report is based on the following Test Reports and their relevant conditions of exposure:

Report 1:

Issuing Laboratory:	AIDICO Avda. Benjamín Franklin, 17 València Parc Tecnològic 46980 PATERNA (Valencia)	
Applicant:	COMERCIAL INDUSTRIAL REPRO, S.L. Avda. del Mar, s/n 46410 SUECA (Valencia)	
Test report:	*Number*: *Date of issue*: *Date of test*: *Credentials*:	IE100136 30th of March, 2010 21st and 22nd of December, 2009 ENAC N° 133/LE1215
Tests method:	UNE-EN 1634-1:2000	

Conditions of exposure:

Time/temperature curve:	Standardized (UNE-EN 1363-1:2000)
Direction of exposure:	Either
N° of exposed sides:	Two

3.2. Test Results

Door A (support elements on the exposed side)

Integrity (E):	**69 minutes ***
Cotton pad:	69 minutes *
Gauge ∅ 6 mm:	69 minutes *
Gauge ∅ 25 mm:	69 minutes *
Sustained flames:	69 minutes *
Insulation (I_2):	**69 minutes ***
Average temperature:	69 minutes *
Maximum temperature:	69 minutes *
Frame temperature:	69 minutes *
Test duration:	**69 minutes ***

* The test is stopped by mutual agreement with the applicant.

Door A (support elements on the non exposed side)

Integrity (E):	**84 minutes**
Cotton pad:	84 minutes *
Gauge ∅ 6 mm:	84 minutes *
Gauge ∅ 25 mm:	84 minutes *
Sustained flames:	84 minutes
Insulation (I_2):	**84 minutes**
Average temperature:	84 minutes
Maximum temperature:	84 minutes
Frame temperature:	84 minutes
Test duration:	**84 minutes ***

* The test is stopped because the behaviour criteria have been met.

4. CLASSIFICATION AND DIRECT APPLICABILITY

4.1. Classification reference

This classification has been carried out pursuant to paragraph 7.5.5 of regulation UNE-EN 13501-2:2004.

4.2. Classification

The element:

SLIDING FIRE DOOR SCR CONSERVATION/FREEZING

is classified in accordance with the following combination of behaviour parameters and types. Other classifications are not allowed.

EI_2 60
B Category

4.3. Direct applicability

Pursuant to paragraph 13 of regulation UNE-EN 1634-1:2000, the element:

SLIDING FIRE DOOR SCR CONSERVATION/FREEZING

possesses the direct applicability as described below, that is to say, its classification is directly applied to the following variations in the characteristics of the specimen, and the implementation of the said modifications does not necessarily imply that new tests should be carried out.

Materials and building (general comments)

- In general, the subsequent building of any door must be the same as the one used in the tested specimen. The number of leaves and the mode of operation shall remain the same.
- The dimensions of the profile section of the steel frame may be increased to fit the thickness of the supporting structure where it is going to be installed. The steel plate thickness may be increased, but attention should be paid so that the said increase does not go over a 25%.
- The number of stiffeners present at the doors without thermal insulation, as well as the number and type of fixings present at the door set, may be increased in proportion to the measure increase, but in any case its quantity may be decreased.
- The type of glass, as well as the fixing system at its edges, including the number of fixings per meter of perimeter, must not be different to the ones used in the test.

- The number of glazed openings may not be increased with respect to the ones in the tested specimen, however, it may be decreased, as well as any other dimension (except for the thickness) of each of the glasses located at each of the said openings.
- The distance between the glazed openings and the door leaf perimeter, as well as the distance between the said openings, may not be decreased with respect to those used in the tested specimen. The position of the glazed openings may change inside the door leaf, provided that the structural elements of the door are not removed or located in a different place.

Decorative finishes:

- *Paint*: if the paint finishes are not expected to have an impact on the fire resistance, other types of paint different to the one tested may be applied. Likewise, this type of paint may be applied to the elements whose test was carried out without using any type of finish. In the cases in which this paint contributes to fire resistance, no changes shall be admitted.
- *Laminated finishes*: The decorative laminations and the replated wood, applied on door leaves which are not made of wood or those whose thickness is higher than 1,5 mm, must be tested as a part of the specimen. For all tested products with decorative laminations, only variations of the said laminations within the types and thickness of a similar material (that is to say, colour, model and manufacturer) shall be admitted.

Frames:

- The number of anchor bolts used to hold the fire door to the supporting structure may increase but never decrease and the distance between them may decrease but never increase.

Iron fittings:

- Changes on the iron fittings shall be allowed as long as the alternative iron fitting has showed its effect on other door set with a similar configuration.
- The number of iron fittings used for movement restriction, such as locks, latches, hinges, etc., may increase but never decrease.

Allowed dimension variations:

- *Category*: according to the test results and the minimum times of criteria performance, the element which is the object of this report is defined as **B category** of extrapolations. Based on this category and according to the type of tested product, the following dimensional variations are allowed:
- Dimensional increases of up to 50% in height, 50% in width and 50% in area from the tested measure shall be allowed, as long as the tested measure has included several panel modules joined to each other, being, at least, one of them as big as possible and with examples of the types of joints really used, at both ends of the said panel.
- The increases in height and width could only be accepted if the overlap with the supporting structure on the rear sides of the door, as well as its top part, are made so that the adjustment of the over lap of the leaf with the guide profile is only increased 10 mm per metre of measure increase.
- Unlimited decrease from the tested measure shall be allowed.

Supporting structure:

- The fire resistance registered when testing a door set, installed in a high density rigid supporting structure, as specified in regulation UNE – EN 1363-1, may be applied to a door set assembled in the same way in a rigid wall of the following types:
  - Engineered or concrete lightened structure with a density of at least 800 kg/m^{3}, with a thickness of at least 100 mm (for fire resistance periods shorter than 90 minutes), or of at least 150 mm (for fire resistance periods longer than 90 minutes).
  - Concrete or prefabricated blocks with a density of at least 1200 kg/m^{3}, with a thickness of at least 100 mm (for fire resistance periods shorter than 90 minutes), or of at least 150 mm (for fire resistance periods longer than 90 minutes).

5. LIMITATIONS

This Classification Report does not imply the type is approved or the element is certified.

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