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REPORT NO. 22902-2 M1-a

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PURPOSE FIRE RESISTANCE CLASSIFICATION REPORT
IN ACCORDANCE WITH UNE-EN 13501-2:2009 + A1:2010

SAMPLE TESTED BLOCK PARTITION 40X20X20 CONCRETE
WITH FIRE SCREENS VENTILODICE

REF. "VENTILODICE"

DATE OF ISSUE 13.06.2011



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* The results in this report relate solely and exclusively to the material tested.

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* In case of a lawsuit, the original Spanish report Nº 27875-1 shall be taken as reference.

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1. PURPOSE OF THE REPORT

The purpose of this report is to define the fire resistance classification obtained by a high density rigid wall made of concrete blocks of high density, referenced as «**VENTILODICE**» in accordance with the UNE-EN 13501-2:2009 + A1:2010 standard *“Fire Classification of construction products and building elements. Part 2: Classification using test data from reaction to fire tests excluding ventilation installations.”*

2. DESCRIPTION OF THE SAMPLE SUBJECT TO CLASSIFICATION

The sample referenced as «**VENTILODICE**» is defined as a non-supporting partition wall, defined as such in section 7.5.2 in the UNE EN 13501-2:2009 + A1:2010 standard.

The technical file for this sample is attached as an annex to report No. 22902-1 M1-a.

3. REPORT ON WHICH THE CLASSIFICATION IS BASED

ISSUING LABORATORY	FUNDACIÓN TECNALIA R&I (sede Azpeitia) Bº Lasao, Área Anardi 5 20730 Azpeitia (Guipúzcoa)
SAMPLE TESTED	HIGH DENSITY RIGID WALL MADE OF CONCRETE BLOCKS OF HIGH DENSITY
TRADE REFERENCE	«VENTILODICE»
COMPANY REQUESTING THE TEST	ODICE, S.A.S Z.A.E. Les Dix Muids Rue Lavosier F-59770 MARLY (FRANCE)
TEST REPORT No.	22902-1 M1-a
DATE ISSUED	13th June 2011
TEST CARRIED OUT	UNE-EN 1364-1:2000

SUMMARY OF RESULTS:

«VENTILODICE V40» dimensions (250 x 250 x 40) mm	INTEGRITY: 137 min.	EI60 E120
	INSULATION: 69 min.	
«VENTILODICE V50» dimensions (250 x 250 x 50) mm	INTEGRITY: 137 min.	EI90 E120
	INSULATION: 100 min.	
«VENTILODICE V60» dimensions (250 x 250 x 60) mm	INTEGRITY: 137 min.	EI90 E120
	INSULATION: 110 min.	
«VENTILODICE V60» dimensions (400 x 400 x 60) mm	INTEGRITY: 137 min.	EI120
	INSULATION: 128 min.	
«VENTILODICE V50» dimensions (400 x 400 x 50) mm	INTEGRITY: 137 min.	EI90 E120
	INSULATION: 104 min.	
«VENTILODICE V40» dimensions (400 x 400 x 40) mm	INTEGRITY: 137 min.	EI60 E120
	INSULATION: 68 min.	
«VENTILODICE V40 + alu » dimensions (600 x 600 x 60) mm + aluminium grille	INTEGRITY: 137 min.	EI120
	INSULATION: 126 min.	
«VENTILODICE V40» dimensions (400 x 200 x 40)mm x 4 samples	INTEGRITY: 137 min.	EI60 E120
	INSULATION: 74 min.	
«VENTILODICE V60» dimensions (600 x 600 x 60) mm	INTEGRITY: 137 min.	EI120
	INSULATION: 137 min.	
«VENTILODICE V40» dimensions (600 x 600 x 40) mm	INTEGRITY: 137 min.	EI60 E120
	INSULATION: 87 min.	



4. CLASSIFICATION

In accordance with the UNE-EN 13501-2:2009 + A1: 2010 standard, rigid wall high-density grids, referenced as «**VENTILODICE**» received at FUNDACIÓN TECNALIA R&I on the 24th of July 2019 receives the following classification:

«VENTILODICE» EI 60 E 60

5. FIELD OF DIRECT APPLICATION

The field of direct application of the test results refers to those changes that may be made to a sample following a fire resistance test with an approved result. These variations may be introduced automatically without the need on the part of the company requesting the test to obtain any additional assessment, calculation or approval.

5.1 Permitted variations in measurement

5.1.1 General considerations

The test results regarding fire resistance apply directly to similar constructions where one or more of the following modifications have taken place and provided that the construction continues to be in accordance with the relevant design code, from the point of view of its rigidity and its stability.

The following is permitted for the sample tested:

- Decrease in height
- Increase in wall thickness
- Increase in thickness of the constituent materials



5.1.2 Increase in width

Owing to the fact that the sample has been tested with an unfastened edge, the width of an identical construction may be increased.

5.1.3 Increase in height

In accordance with section 13.3 of the UNE-EN 1364-1:2000 standard, where the construction is tested with a minimum height of three metres, this may be increased up to four metres, as displacement from the unfastened edge does not exceed 100 mm.

Any modifications that are not expressly stated in the previous paragraphs shall not be deemed subject to possible change without additional approval.