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SUPPLEMENT N. 1 TO TEST REPORT N. 50/U/12-152FR

PLACE AND DATE OF ISSUING	
SPONSOR	
OBJECTIVE	To determine the fire resistance performance in accordance with Decree of the Ministry of the Interior June 21, 2004 "Technical methods and procedures for classifying the fire resistance of doors and other elements of closure".
SPECIMEN	Double wooden hinged door with glazing on each leaf, assembled in a rigid standard supporting construction.
TRADE NAME	GDesign 60
DATE OF TEST	17/05/2012 – not exposed hinges side (opening opposite the furnace) 12/06/2012 – exposed hinges side (opening towards the furnace)

1. Introduction

This Test Report is issued in accordance with Articles 1 and 13 of Decree of the Ministry of the Interior March 26, 1985 "Procedures and requirements for approval and entry in the lists of institutions and laboratories of the Ministry of the Interior referred to the Law 7/12/1984 n.818" and under Articles 2 and 4 of Decree of the Ministry of the Interior June 21, 2004 "Technical methods and procedures for classifying the fire resistance of doors and other elements of closure".

This report describes the mounting method, test conditions and results obtained by test specimen described as follows.

Tests were been made according with standards UNI EN 1634-1 ed. 2009, UNI EN 1363-1. ed. 2001.

This Supplement has been issued without test repetition: it is the English version of Test Report N 50/U/12-152FR issued on 28/09/2012 to which reference has to be made in case of every kind of dispute.

This test report consist of 48 pages and it may not be reproduced and/or advertised if not fully.

2. Constructive details of the test specimen

2.1 Generality

The description of the test specimen is based on a detailed description provided by the producer.

The technical staff of the laboratory verified the accuracy of the information of the added specimens provided by the sponsor.

The technical staff of the laboratory freely chose the specimens to be tested and to be verified.

2.2 Principal dimensions

The technical staff of the laboratory has verified the dimensions in table 1:

Wall hole (LxH)	2150x2175 mm
Nominal width of the frame	2120 mm
Nominal height of the frame	2160 mm
Width of clear opening	2000 mm
Height of clear opening	2100 mm
Leaf thickness	60 mm
Round glass of principal leaf	Ø 495 mm, thickness 34 mm
Square glass of secondary leaf	495x495 mm, thickness 34 mm

Table 1: Principal dimensions of the test specimen



Il presente Rapporto di Prova non può essere riprodotto in forma parziale senza l'autorizzazione scritta di questo Laboratorio



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Accessories	<ul style="list-style-type: none">• n. 4 adjustable concealed hinges for each leaf type "AGB mod. ECLIPSE", positioned at height from the base of the leaf of 200, 1100, 1620 e 1920 mm;
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7. Test results

Reference to standard UNI EN 1634-1		Performance criterion	Description	Results
11.1	Test specimen	Integrity	Cotton pad	-----
			Gap gauge 6 mm	-----
			Gap gauge 25 mm	-----
			Persistent flames	65 th minute
11.2.5	Test specimen	Insulation (I ₁)	-----	
11.2.3, 11.2.4		Insulation (I ₂)	-----	
11.3		Radiation	Not required	
9.1.2	Doorset	Temperature at the end of the test ^(*)	ΔT mean (140°C)	62 °C
	Principal leaf		ΔT max (180°C)	67 °C
			ΔT max at 100 mm (180°C)	67 °C
	Secondary leaf		ΔT max at 25 mm (180°C)	80 °C
			ΔT max at 100 mm (180°C)	75 °C
	Glazing		ΔT max at 25 mm (180°C)	76 °C
			ΔT milling (180°C)	96 °C
	Frame		ΔT mean (140°C)	86 °C
			ΔT max (180°C)	90 °C
				ΔT max (180°C)

(*) Test discontinued at 65th minute.

Table 11: Test results of the 12/06/2012 – exposed hinges side – opening towards the furnace

Reference to standard UNI EN 1634-1		Performance criterion	Description	Results
11.1	Test specimen	Integrity	Cotton pad	-----
			Gap gauge 6 mm	-----
			Gap gauge 25 mm	-----
			Persistent flames	-----
11.2.5	Test specimen	Insulation (I ₁)	-----	
11.2.3, 11.2.4		Insulation (I ₂)	-----	
11.3		Radiation	Not required	
9.1.2	Doorset	Temperature at the end of the test ^(*)	ΔT mean (140°C)	72 °C
	Principal leaf		ΔT max (180°C)	74 °C
			ΔT max at 100 mm (180°C)	76 °C
	Secondary leaf		ΔT max at 25 mm (180°C)	74 °C
			ΔT max at 100 mm (180°C)	74 °C
	Glazing		ΔT max at 25 mm (180°C)	74 °C
			ΔT milling (180°C)	116 °C
	Frame		ΔT mean (140°C)	83 °C
			ΔT max (180°C)	85 °C
				ΔT max (180°C)

(*) Test discontinued at 66th minute.

Table 12: Test results of the 17/05/2012 – unexposed hinges side – opening opposite the furnace