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FIRE RESISTANCE TEST REPORT

ISSUED FOR

SUPARICH CO.,LTD.

TEST REPORT NUMBER :

BLS/R23/4437

ISSUED DATE :27/12/2023

SECTION 1 SCOPE

TÜV SÜD (THAILAND) Co.,Ltd was contracted by Suparich Co.,Ltd. ,27 Ramintra soi 48, Ramintra road, Ramintra, Khannayao, Bangkok to evaluate the fire resistance of a product as detail in table below

Product category

INSULATED COMPOSITE TIMBER DOOR

Product detail

Single insulated composite timber door brand "SPR" model "Wooden Fireproof Door / WFD", size 2200 mm x 1000 mm, was sponsored by Suparich Co.,Ltd. A door was installed in the frame and surrounded by a masonry wall. The frame was fixed with a casting concrete column using a 6 mm steel bar welded with the frame.

SECTION 2 SUMMARY OF TEST RESULT

The test report issued to

Company Name

Suparich Co.,Ltd.

Company Address

27 Ramintra soi 48, Ramintra road, Ramintra, Khannayao, Bangkok
10230 Thailand

Report Issuered Date

December 27, 2023

Test Report Number

BLS/R23/4437

Specimen Receive Date

November 29, 2023

Test Date

December 6, 2023

The assembly described and tested in this report did meet the Conditions of Acceptance of BS 476 part 20/22 as detail below

Integrity

71

Minutes

Remark: Cotton pad was flaming when 71 minutes.

Insulation

71

Minutes

Prepared by:

Associate Fire Evaluation Engineer

Reviewed by:

Executive Engineer



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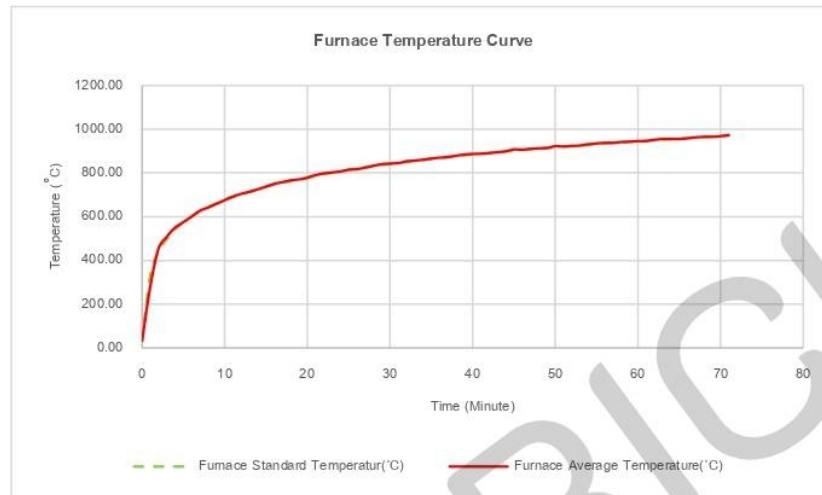
TEST REPORT NUMBER :

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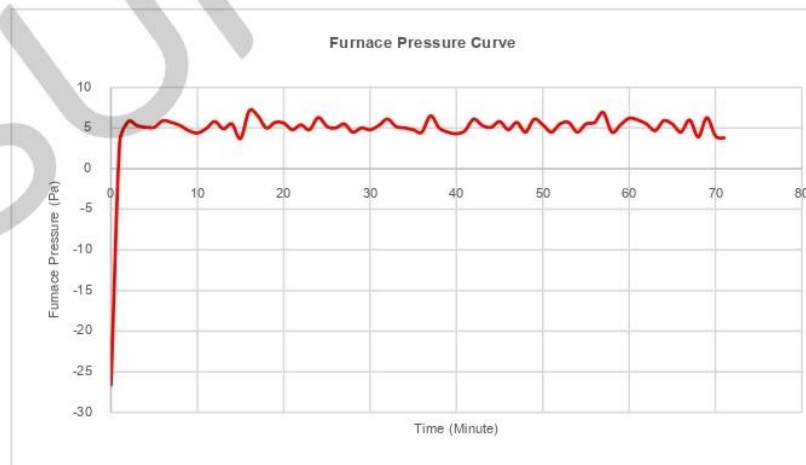
ISSUED DATE :27/12/2023

ANNEX 2 GRAPH

Garph 2.1 : Furenace Time-Temperature vs. Standard Time Temperature



Garph 2.2 : Furnace Pressure at 2000 mm tapping point



Normal & Mr.

U26FT



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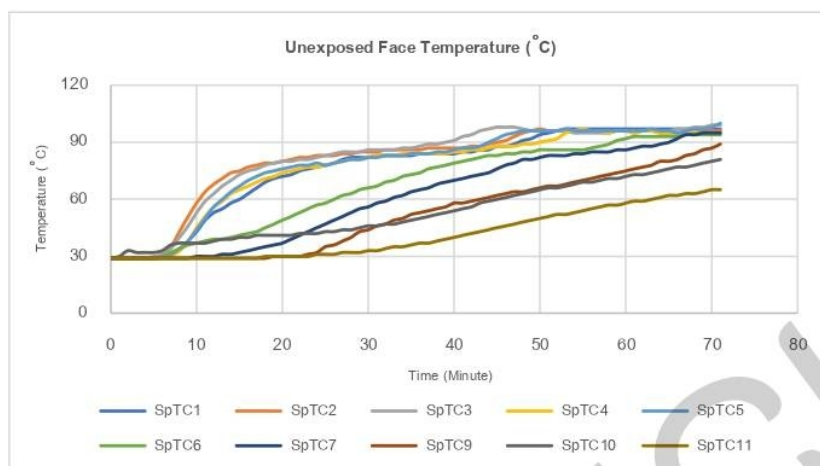
SUPARICH CO.,LTD.

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Garph 2.3 : Unexposed face temperature



Norman S. M.

22/6/21





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ANNEX 3 TABLE

Table 3.1 : Comparison of area under the curve

Time (min)	Temperature rise (°C)		Area under curve		Percentage difference (%)	Standard tolerance ±%
	Standard	Furnace	(°C min)			
			Standard	Furnace		
5	541.69	550.47	1814.91	1805.81	0.99	15
10	677.80	675.93	5599.75	5587.94	1.00	
15	737.93	737.29	9169.45	9161.91	1.00	12.5
30	841.38	843.04	21146.25	21156.66	1.00	5
60	945.14	945.40	48170.29	48216.22	1.00	
71	970.17	973.36	58720.98	58720.98	1.00	

Table 3.2 : Deflection measurement

Deflection of the doorset measured along top edge of doorset (mm)							
Time	#A	#B	#C	#D	#E	#F	#G
20:00	20	3	2	7	3	5	0
40:00	25	8	2	7	-8	5	-2
60:00	25	8	2	2	-23	5	-5

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