

TEST REPORT

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Applicant/ Manufacturer : **DIRGAHAYU SERI MAHKOTA MANUFACTURING SDN. BHD.**
No.34, Jalan 2C, Kampung Baru Subang,
40150 Shah Alam,
Selangor Darul Ehsan.
(Attn: Mr. Tham / Ms. Jean)

Product : **ALUMINIUM COMPOSITE PANEL**

Reference Standard/ Method of Test : BS 476: Part 6: 1989+A1:2009
Fire Test on Building Materials and Structures
Part 6: Method of Test for Fire Propagation for Products.

Description of Test Specimen : 6 pieces of Aluminium Composite Panel.
Size of Specimen : 225mm x 225mm x 4.0mm (measured thickness)
Brand : FAIRON COMPOSITE
Mass Per Unit Area : 7.52 kg/m²

Descriptions of sample as claimed by the submitter: Refer to page 5

The specimens were tested with the face side exposed to the specified heating condition of the fire test.


Date Received : 21.06.2018

Job No./ Ref No. : J20181440388 /SQAS/FPS/15/1-5

Test Result :	Subindex i1	Subindex i2	Subindex i3	Fire Propagation Index (I)
	1.8	0.2	1.1	3.1

Issued Date : 9 August 2018

Approved Signatory



(MUHAMMAD SAFUAN MUSA)
Testing Executive




(AZMI MUSA)
HEAD
Fire Protection Section
Testing Services Department

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Product : ALUMINIUM COMPOSITE PANEL

Brand : FAIRON COMPOSITE

Measured Thickness : 4.0 mm

Date of Test : 29.07.2018

Mass Per Unit Area : 7.52 kg/m²

Time (Min.)	Temperature Rise Above Ambient (°C)				
	Calibration	Specimen A	Specimen B	Specimen C	Specimen Average
0.5	17	18	20	20	19
1.0	22	25	26	25	25
1.5	26	30	31	31	30
2.0	30	34	36	35	35
2.5	34	39	41	39	39
3.0	38	43	46	43	44
4.0	69	74	78	78	76
5.0	104	102	107	106	105
6.0	128	122	127	126	125
7.0	148	140	144	146	143
8.0	163	158	160	164	160
9.0	177	172	176	176	174
10.0	188	182	186	187	185
12.0	203	200	206	207	204
14.0	215	217	224	224	221
16.0	224	235	255	257	249
18.0	233	282	286	299	289
20.0	240	344	345	338	342
Subindex 1		1.3	2.1	1.9	1.8
Subindex 2		0.1	0.3	0.3	0.2
Subindex 3		0.9	1.1	1.2	1.1
Index of Performance		2.3	3.5	3.4	3.1



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Date of Test : 29.07.2018

No. of Specimen Tested : 3 nos.

The Fire Propagation Index **I** is **3.1** for the Aluminium Composite Panel with mass per unit area of 7.52 kg/m² and measured thickness 4.0 mm.

The Subindex i1 is 1.8

The Subindex i2 is 0.2

The Subindex i3 is 1.1

The test results relate only to the behavior of the test specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke.

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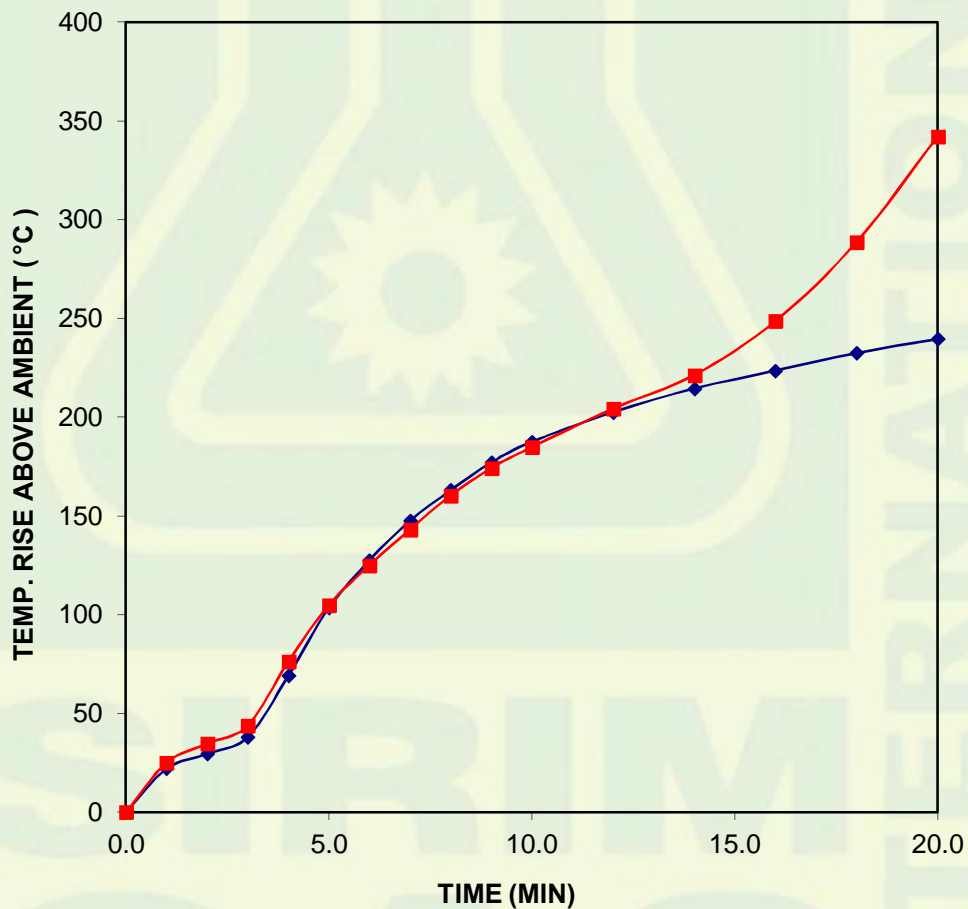
Product : ALUMINIUM COMPOSITE PANEL

Brand : FAIRON COMPOSITE

Date of Test : 29.07.2018

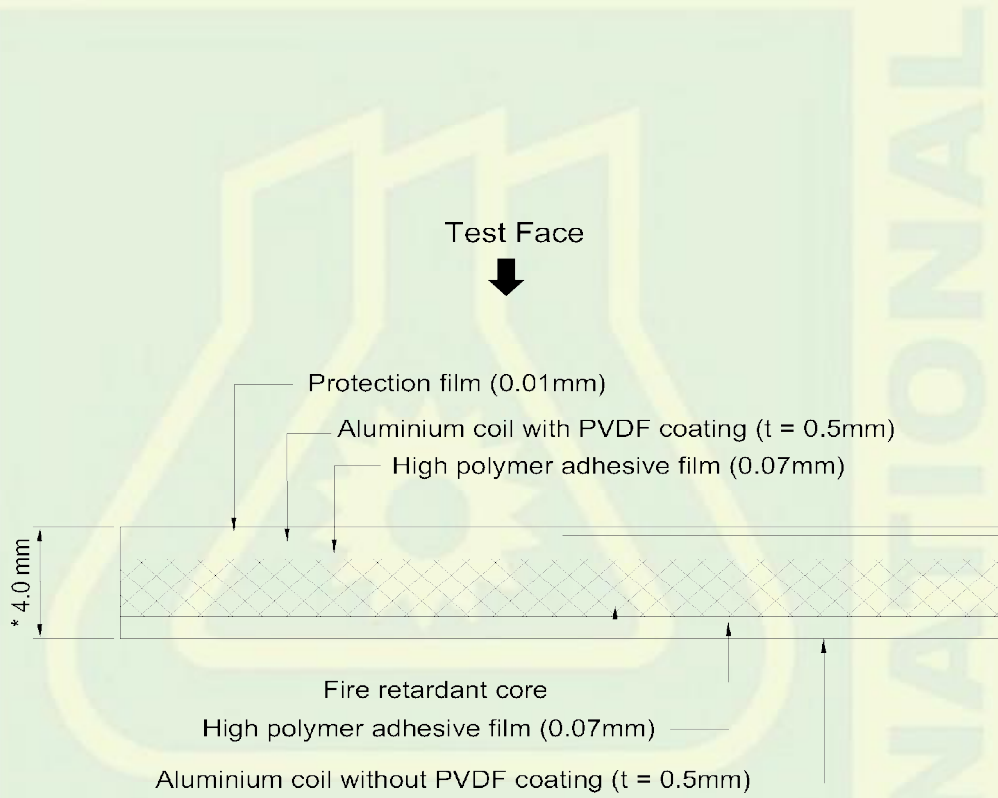
Measured Thickness : 4.0 mm

Mass Per Unit Area : 7.52 kg/m²



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Descriptions of sample as claimed by the submitter



Note :-

* Measured Thickness

Aluminium Composite Panel



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 - b) Obtaining an injunction from Court (cost on a solicitor-client basis to be borne by the Applicant);
 - c) Refusing to accept any further Product for Testing Services from the Applicant or whosoever related to the Applicant, whether subsidiary or otherwise;
 - d) Instructing the Applicant to withdraw and recall the advertisement, statement or document in question and advertise a clarification and apology to SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries twice in a national publication of SIRIM QAS International's choice at the Applicant's sole cost; and
 - e) Informing or lodging a report pertaining the Applicant's Test Report with the relevant authorities.
10. Certified true copies of the Test Report may be issued upon request by the Applicant upon payment of the relevant fee.
11. Corrections to test report shall only be allowed within 6 months from issuance date of the test report and shall be limited to maximum 3 times, after either case whichever occurs earlier, a new test report shall be issued and replace the previous one (having error(s) or lack of information). Issuance of Supplementary Report to the original Test Report shall be for the followings;
 - a) Misprints and typo errors
 - b) Missing technical information
 - c) Test data not reported
 - d) Mistake in reporting of test data