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SAMM 085

TEST REPORT

REPORT NO : 2022FE0133	PAGE : 1 OF 6

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Applicant	: DML ALU SDN BHD Lot 1907, Jalan Serindit 4, Pusat Perindustrian Kalumpang, 44100 Kerling, Selangor Darul Ehsan.
Manufacturer	: DML ALU SDN BHD Lot 1907, Jalan Serindit 4, Pusat Perindustrian Kalumpang, 44100 Kerling, Selangor Darul Ehsan.
Product	: DML ALUMINIUM COMPOSITE PANEL
Reference Standard / Method of Test	: BS 476 : Part 7: 1997 Fire Test on Building Materials and Structures Part 7: Surface Spread of Flame Test.
Description of sample	: 9 pieces of DML-Aluminium Composite Panel. Size of Specimen :270mm × 885mm × 4.2mm (measured thickness)
Date Received of Complete Application	: 28 January 2022
Job No.	: J20221440055
Description of Test Results	: The Classification test results of the submitted test samples are described in Page 4 of this test report.
Issued Date	: 10 March 2022

Approved Signatory;

.....
(MUHAMMAD SAFUAN BIN MUSA)
Testing Executive

SIRIM QAS International Sdn. Bhd. FIRE PROTECTION SECTION

.....
(ZAINI BIN AHMAD)
Head
Fire Protection Section
Testing Services Department

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Name of Applicant : DML ALU SDN. BHD.

Product : DML ALUMINIUM COMPOSITE PANEL

Brand : DML

Model : DML ALU-FR

Type : DML ALU-FR

Measured Thickness : 4.2 mm

Mass Per Unit Area : 8.01 kg/m^2

Date of Test : 24.02.2022

Requirement

The flame spread on any specimen of the sample shall not exceed the limit assigned for the class with the proviso that for one specimen only in the sample the flame spread may exceed this limit by the tolerance shown.

Classification of Surface Spread of Flame

Classification	Flame Spread at 1½ min		Final Flame Spread	
	Limit (mm)	Tolerance for one specimen in sample (mm)	Limit (mm)	Tolerance for one specimen in sample (mm)
Class 1	165	25	165	25
Class 2	215	25	455	45
Class 3	265	25	710	75
Class 4	Exceeding Class 3 limits			

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Test Results

Product : DML ALUMINIUM COMPOSITE PANEL

Brand : DML

Model : DML ALU-FR

Type : DML ALU-FR

Measured Thickness : 4.2 mm

Mass Per Unit Area : 8.01 kg/m^2

Date of Test : 24.02.2022

Specimen No.	1	2	3	4	5	6
Spread of flame at 1½ minutes (mm)	0	0	0	0	0	0
Distance (mm)	Time of spread of flame to indicated distance (minutes . seconds)					
75	-	-	-	-	-	-
165	-	-	-	-	-	-
190	-	-	-	-	-	-
215	-	-	-	-	-	-
240	-	-	-	-	-	-
265	-	-	-	-	-	-
290	-	-	-	-	-	-
375	-	-	-	-	-	-
455	-	-	-	-	-	-
500	-	-	-	-	-	-
525	-	-	-	-	-	-
600	-	-	-	-	-	-
675	-	-	-	-	-	-
710	-	-	-	-	-	-
750	-	-	-	-	-	-
785	-	-	-	-	-	-
825	-	-	-	-	-	-
865	-	-	-	-	-	-
Time of maximum spread of flame (minutes . seconds)	-	-	-	-	-	-
Distance of maximum spread of flame (mm)	0	0	0	0	0	0

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Test Results

1. Test result = (Spread of flame at 1½ minutes ± 1.0*) mm

2. Test result = (Distance of maximum spread of flame ± 1.0*) mm

Note:

a) Where the reported uncertainty is calculated using a coverage factor k=2, which gives a level of confidence of approximately 95%

b) *Denotes measurement uncertainty

Conclusion

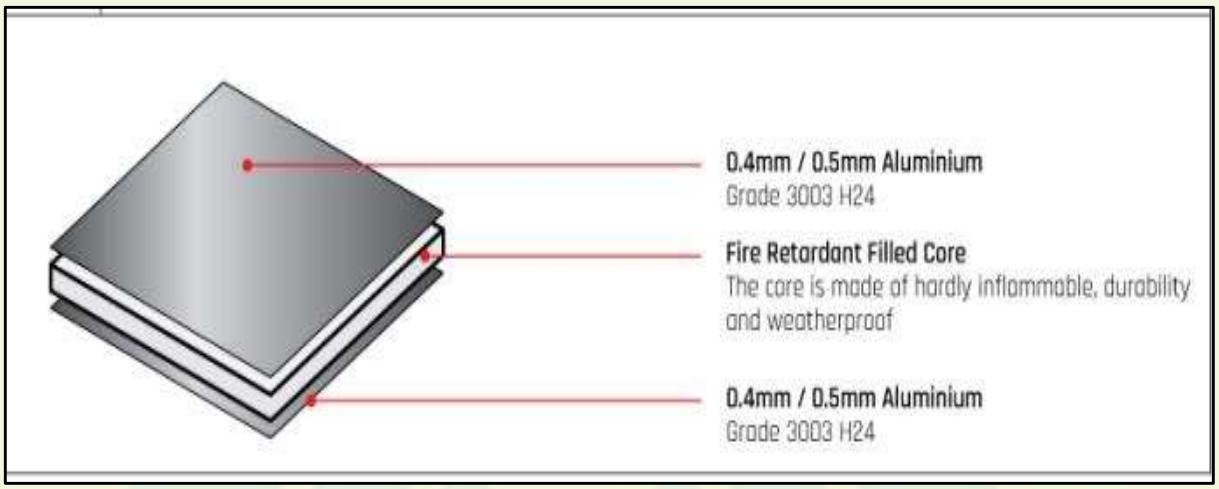
In accordance with the class definition specified in the standard, the test results show that the sample tested has a **Class 1** Surface Spread of Flame.

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

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Descriptions of sample as claimed by the submitter



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CONDITIONS RELATING TO THE USE OF SIRIM QAS INTERNATIONAL TEST REPORT

1. A Test Report will be issued in respect of Testing Services conducted and shall relate only to the sample actually tested. SIRIM QAS International makes no warranty whatsoever and the Applicant shall not represent in any manner that any duplication or mass production of the Product is same as the sample actually tested or that SIRIM QAS International has tested any of the duplicated or mass-produced Product. Measurement uncertainty shall be included in the Test Report when there is no statement of conformity required. When a statement of conformity to a specification or standard is applied, the Simple Acceptance Rule is used. Unless otherwise stated, the Acceptance Rule with Guard Band is used.

2. The Test Report shall not be misused, amended, changed, varied or modified in any manner whatsoever by the Applicant or otherwise.

3. If the Test Report is to be furnished to any third party or to the public, each such Test Report shall be furnished in full, legible and in its entirety.

4. The Test Report shall not be reproduced and shall not in any event be used for any advertising purposes or whatsoever without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International of No 1, Persiaran Dato' Menteri, Building 8, Section 2, P.O. Box 7035, 40700 Shah Alam, Selangor Darul Ehsan.

5. Customer (Applicant/Manufacture/Factory,etc.) is not permitted to use any SIRIM QAS International, SIRIM or other SIRIM's subsidiaries logo or words on packaging, sample's manual, technical specification, items and products.

6. Subject to consent and written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International, the customer (Applicant/Manufacture/Factory,etc.) may use SIRIM QAS International logo or word on the promotional materials and the Applicant shall only include the phrase, "A sample of this product has been tested by SIRIM QAS International ...(Test Report No) ...(dated) ...(for what test) ...(to which standard)" or such similar words which stress that only the sample was actually tested. This phrase shall only be used for the purpose of product advertisement or product promotion (eg; brochures/flyers/official website). For avoidance of doubt, the statement shall not be used on the sample, packaging of the sample, items and products.

7. In the event there is an investigation from a Government Regulatory Agency concerning the Applicant's Test Report, SIRIM QAS International may disclose the information pertaining to the Test Report for purposes of such investigation.

8. Further or in the alternative, it is strictly forbidden unless with prior written approval from the Chief Executive Officer of SIRIM QAS International, to represent in any manner whatsoever that SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries has endorsed, approved or validated the Product of the Applicant in any manner whatsoever.

9. In the event the Applicant is found in breach of this provision, SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries without prejudice to any other rights and remedies may take whatever action necessary including but not limited to:
   a) Informing and placing a notice in the media;
   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. SIRIM QAS International is committed in supporting an environmentally-friendly business practices by reducing paper consumption, therefore we do not issue any hard copy of Test Report to the Applicant. However, additional certified true copy(ies) or softcopy of the Test Report may be issued upon request by the Applicant upon payment of the relevant fee. The certified true copy(ies) or softcopy of test report shall only be given for test report issued not more than three (3) years from the date of issuance.

11. Issuance of Amendment Report due to the following reasons are chargeable to the Applicant :
   a) Changes in details of the Applicant name and/or address;
   b) Changes in details of the Manufacturer's name and/or address;
   c) Changes in details of the Factory location name and/or address;
   d) Changes in details of the model and/or type designation

12. However, issuance of Supplementary Report due to the following reasons are FOC :
   a) Misprints and typo errors;
   b) Missing technical information as agreed in PP1 form;
   c) Test data not reported;
   d) Mistake in reporting of test data

13. Corrections to report shall only be allowed if the date of issuance of the original report has not exceeded 6 months and shall be limited to a maximum 3 times, after either case whichever occurs earlier, an Amendment or a Supplementary Report shall not be issued.