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### TEST REPORT

REPORT NO : 2024CE1192-S1	PAGE : 1 OF 4
This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE), SIRIM QAS International Sdn. Bhd. Please refer to the last page of this Test Report for Conditions Relating to the Use of Test Report.	

#### THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant : KASTONE SDN. BHD.  
LOT 6492, JALAN HAJI ABDUL MANAN,  
OFF JALAN MERU,  
41050 KLANG, SELANGOR, MALAYSIA.

Manufacturer : KASTONE SDN. BHD.  
LOT 6492, JALAN HAJI ABDUL MANAN,  
OFF JALAN MERU,  
41050 KLANG, SELANGOR, MALAYSIA.

Product : ARCHISTRA WALL PANEL

Reference Standard / Method of Test : JIS A 1460 : 2015 DETERMINATION OF THE EMISSION OF FORMALDEHYDE FROM BUILDING BOARDS -- DESICCATOR METHOD

Description of sample : Received one (1) sample for testing as shown in appendix A which was labelled as:  
Product Name : ARCHISTRA WALL PANEL  
Product description : ACH WALL PANEL SERIES

Date Received of Complete Application : 09 May 2024

Job No. : J20243670869

Description of Test Results : This test report covers only test clauses as requested by Applicant to SIRIM QAS International Sdn. Bhd. The test results for the submitted test sample are described in next pages of this test report

Issued Date : 23 May 2024

Approved Signatory;

IKM M/5292/8660/20

(ChM. MUHAMMAD ZUHAIRI BIN BORHAN)  
Senior Testing Executive



(DALHA BIN KATNI @ RAHMAT)  
Head

Chemical, Polymer and Composite Section  
Testing Services Department

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**Notes:**

- 1) This is a supplementary test report.
- 2) This supplementary test report is issued to amend product details as per requested by applicant.
- 3) This supplementary test report cancels and replaces the original SIRIM Test Report No. 2024CE1192 dated 21 May 2024

**TEST RESULTS**

**Product Name** : ARCHISTRA WALL PANEL  
**Product description** : ACH WALL PANEL SERIES

No.	Type of Test	Test Method	Result
1	Formaldehyde emission, mg/L  <u>Specimen conditioning before desiccator test</u> Temperature : 20 ± 2°C Humidity : 65 ± 5 %RH Duration : 7 days  <u>Condition during desiccator test</u> Temperature : 20 ± 0.5°C Duration : 24h ± 10 mins	JIS A 1460	ND <sup>(a)</sup>
2.	Formaldehyde emission correlated to EN 717, mg/m <sup>3</sup>	Correlation equation <sup>(c)(d)</sup>	ND <sup>(b)</sup>
3.	Formaldehyde emission correlated to ASTM E1333, ppm	Correlation equation <sup>(c)(d)</sup>	ND <sup>(b)</sup>

- Reference :
- <sup>(a)</sup> ND = Not detected, Limit of Reporting = 0.1
  - <sup>(b)</sup> ND = Not detected, Limit of Reporting = 0.01
  - <sup>(c)</sup> Maria Risholm-Sundman, Annelise Larsen, Ewa Vestin, Anders Weibull, Formaldehyde emission—Comparison of different standard methods, Atmospheric Environment, Volume 41, Issue 15,2007, Pages 3193-3202, ISSN 1352-2310, <https://doi.org/10.1016/j.atmosenv.2006.10.079>
  - <sup>(d)</sup> Mohamed Z.M. Salem, Martin Böhm, Jitka Beránková, Jaromír Srba, Effect of some manufacturing variables on formaldehyde release from particleboard: Relationship between different test methods, Building and Environment, Volume 46, Issue 10, 2011, Pages 1946-1953, ISSN 0360-1323, <https://doi.org/10.1016/j.buildenv.2011.04.004>



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**Annex A**



Photo of Polyurethane (PU) wall decorative panels. Left – Front view, Right – Back view



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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. For quantitative test results (with values), when a statement of conformity to a specification or standard is applied, the Simple Acceptance Rule shall be used. Unless otherwise stated, the Acceptance Rule with Guard Band is used, and additional charge will be incurred accordingly.
3. For qualitative test results (visual observation), when requested by applicant, a statement of conformity in the Test Report shall be reported. Should there is no request by applicant, a statement of conformity in the Test Report can be reported based on our discretion.
4. The Test Report shall not be misused, amended, changed, varied or modified in any manner whatsoever by the Applicant or otherwise.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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
13. 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
14. 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.