

## TEST REPORT

REPORT NO.: 2020PC0859

PAGE : 1 OF 3

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

Applicant : BOID GLOBAL SDN. BHD.  
No.19, Jalan Senangin 6, Harvest Green  
Taman Pasir Putih  
81700 Pasir Gudang Johor

Manufacturer : - same as above -

Product : Polyurethane; Rigid Cold Installation

Reference Standard/  
Method of Test : 1. ASTM D1621: 2016 - Standard Test Method for  
Compressive Properties of Rigid Cellular Plastics

2. ASTM D1622/D1622M: 2014 - Standard Test Method for  
Apparent Density of Rigid Cellular Plastics

3. ASTM C209: 2015 - Standard Test Methods for Cellulosic  
Fiber Insulating Board

4. ASTM D2126: 2015 – Standard Test Method for Response of  
Rigid Cellular Plastics to Thermal and Humid Aging

Description of Sample : Please refer Page 2 of this test report.

Date Received of  
Complete Application : 8 October 2020

Job No. : J20201460567

Description of Test  
Results : The test results of the submitted test sample are described in  
Page 3 of this test report.

Issued Date : 20 October 2020

Approved Signatories:



(Nomaizura Zakaria)  
Testing Executive



(Rahmad Abd Shukor)  
Head

Plastics and Composite Materials Section  
Testing Services Department

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**Description of Sample:**

The dimensions and quantity of test specimens submitted on 2 October 2020 were as follows:

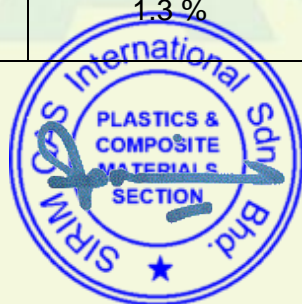
No.	Size	Quantity, pcs
1	50 mm x 50 mm x 50 mm	6
2	100 mm x 100 mm x 50 mm	3
3	305 mm x 305 mm x 50 mm	3



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**Results:****Polyurethane; Rigid Cold Installation**

NO.	PROPERTY	RESULT	TEST METHOD
1	Compressive Strength at 10% Compression	115 kPa	ASTM D1621  Test parameters: <ul style="list-style-type: none"><li>• Crosshead speed: 5 mm/minute</li><li>• No. of specimens tested: 3</li></ul> Test date: 15 October 2020
2	Apparent Density	33 kg/m <sup>3</sup>	ASTM D 1622  Test parameter: <ul style="list-style-type: none"><li>• No. of specimens tested: 3</li></ul> Test date: 9 October 2020
3	Water Absorption	23 %	ASTM C209  Test parameters: <ul style="list-style-type: none"><li>• 2 hours water submersion</li><li>• No. of specimens tested: 3</li></ul> Test date: 14 October 2020
4	Dimensional Stability a) Change in Width b) Change in Length c) Change in Thickness d) Change in Mass	0.1 % 0.2 % 0.2 % 1.3 %	ASTM D2126  Test parameters: <ul style="list-style-type: none"><li>• Temperature: 70°C</li><li>• Duration: 168 hours</li><li>• No. of specimens tested: 3</li></ul> Test date: 7 to 16 October 2020



## 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. When a statement of conformity to a specification or standard is applied, the Measurement Uncertainty of test has been considered.
2. The Test Report shall not be 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 Chief Executive Officer 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, brochures/flyers or any other means without the prior written approval from the Chief Executive Officer of SIRIM QAS International.
6. If such approval is obtained from the Chief Executive Officer of SIRIM QAS International, the Applicant may 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). For avoidance of doubt, the statement shall not be used on the sample and packaging of the sample.
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, certified true copy(ies) of the Test Report may be issued upon request by the Applicant upon payment of the relevant fee.
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 maximum 3 times, after either case whichever occurs earlier, an Amendment or a Supplementary Report shall not be issued.