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TEST REPORT

REPORT NO : 2022CE2141	PAGE : 1 OF 3
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Applicant : VIVO RAISER SDN. BHD.
No. 9 & 10, Jalan PKNK 3/7, Kawasan Perusahaan Sungai Petani,
08000 Sungai Petani, Kedah Darul Aman, Malaysia.

Manufacturer : VIVO RAISER SDN. BHD.
No. 9 & 10, Jalan PKNK 3/7, Kawasan Perusahaan Sungai Petani,
08000 Sungai Petani, Kedah Darul Aman, Malaysia.

Product : TPS Spray Tile

Reference Standard / Method of Test : 1) MS 134:2007 Specification for Latex Emulsion Paint for Exterior and Interior Use
2) MS 133: Part A12: 1994, Methods of test for Paints – Part A12: Determination of Density and Specific Gravity (First Revision).
3) MS 133: C3:2010 Paints and Varnishes - Drying Test - Part C3 Determination of Through-Dry State And Through-Dry Time
4) ASTM D 2697-03(2021) Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings

Description of sample : Received one (1) sample of TPS Spray Tile for testing. The details are described in the next page

Date Received of Complete Application : 15 July 2022

Job No. : J20223671485

Description of Test Results : The test results of the submitted test sample are described in the next page of this test report

Issued Date : 30 August 2022

Approved Signatory;

(ABDUL AZIZ BIN HARON)
Senior Testing Executive



(HAHNAS BINTI MAHBUT)
Head

Chemical, Polymer and Composite Section
Testing Services Department

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Test Results

Product : TPS Spray Tile
Brand : TPS
Model : Spray Tile
Applied Mixing Ratio : 5kg TPS Spray Tile (Powder) : 2liters water
Production Description : TPS Spray Tile for External Paint

No.	Type of Tests	Results
1. 1.1	Application Properties and Appearance Brushing (MS 134: 2007 – Clause 5.2.4.1)	When applied by brushing the paint showed easy brushing and good flowing and lapping properties and did not exhibit undue pull under the brush.
1.2	Finish (MS 134: 2007 – Clause 5.2.4.4)	The paint, when thinned with water in accordance with the manufacturer's instructions, brushed easily, and possessed good leveling properties, when applied at a spreading rate of approximately 13 sq. metres per litre. The paint also dried to a smooth, matt, uniform film free from runs, sagging, streaking, and wrinkling.
2.	Specific gravity (MS 133: Pt. A12: 1994)	1.7668
3.	Drying time: hard dry, hours (MS 133: Pt. C3: 2010)	The paint was hard dried when tested at maximum time (1hour)
4.	Volume Solid, % (ASTM D2697-03(2021))	65.47
5.	Manufacturer Pot Life, Min	60



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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.
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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. 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.
9. 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.
10. 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
11. 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
12. 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.