

TEST REPORT

REPORT NO : 2019CB1129	PAGE : 1 OF 2
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Applicant : VIVO RAISER SDN BHD
No: 9 & 10, Jalan PKNK 3/7,
Kawasan Perindustrian Sungai Petani,
08000 Sungai Petani
Kedah

Manufacturer : VIVO RAISER SDN BHD

Product : TPS 4M

Reference Standard / Method of Test : BS EN 1015-11: 1999,
Methods of test for mortar for masonry – Part 11: Determination of flexural and compressive strength of hardened mortar

Description of sample / Description of Test Specimen : One (1) bag of 5 kg sample (mixed with TPS 4M + Ordinary Portland Cement + Fine Sand) was received for testing.
Brand: TPS
Product description: Mortar Additives for Bricklaying, Rendering & Plastering.

Date Received of Complete Application : 26 March 2019

Job No. : J20191430583

Description of Test Results / Overall Test Result : The test results of the submitted test sample are described in Page 2 of this test report.

Issued Date : 13 June 2019

Approved Signatories;

(HANON NAZIR BIN MOHD BAKAR)
Senior Testing Executive



(RAJAH MOR SIHA BINTI RAJA ABDUL HANAN)
Head
Civil & Construction Section
Testing Services Department

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TEST RESULTS:

Product : TPS 4M
 Mix ratio : 40 g TPS 4M + 1 kg Ordinary Portland Cement + 4 kg Fine Sand + 1.25 litre of water
 Method of test : BS EN 1015-11: 1999,
 Methods of test for mortar for masonry – Part 11: Determination of flexural and compressive strength of hardened mortar

NO.	TYPE OF TEST METHOD	TEST RESULTS
1.	Determination of Flexural & Compressive Strength (28 days)	<u>Flexural Strength</u> 1) 3.2 N/mm ² 2) 3.5 N/mm ² 3) 3.2 N/mm ² Mean: 3.3 N/mm ² <u>Compressive Strength</u> 1) 13.0 N/mm ² 2) 13.4 N/mm ² 3) 14.0 N/mm ² 4) 14.1 N/mm ² 5) 13.7 N/mm ² 6) 12.1 N/mm ² Mean: 13.4 N/mm ²

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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.
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 - 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. 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