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TEST REPORT

REPORT NO : 2019CA1132	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 Plasticiser

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 Plasticiser + Ordinary Portland Cement + Fine Sand) was received for testing.
Brand: TPS
Product description: Mortar Additives for Bricklaying, Rendering & Plastering.

Date Received of Complete Application : 27 March 2019

Job No. : J20191430588

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 : 14 June 2019

Approved Signatories;

(HANON NAZIR BIN MOHD BASIR)
Senior Testing Executive



(RAJA NOR SIHA BINTI RAJA ABDUL HANAN)
Head
Civil & Construction Section
Testing Services Department

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TEST RESULTS:

Product : TPS Plasticiser
 Mix ratio : 40 g Bata Cement (TPS Plasticiser) + 1kg 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) 2.2 N/mm ² 2) 2.5 N/mm ² 3) 2.3 N/mm ² Mean: 2.3 N/mm ² <u>Compressive Strength</u> 1) 7.2 N/mm ² 2) 7.5 N/mm ² 3) 7.4 N/mm ² 4) 8.1 N/mm ² 5) 7.6 N/mm ² 6) 7.4 N/mm ² Mean: 7.5 N/mm ²

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 - 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;
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 - e) Informing or lodging a report pertaining the Applicant's Test Report with the relevant authorities.
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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