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REPORT

Attn: Mr. Bimal Seebaran

Project Code: EC03826544/24

Client: ABEL BUILDING SOLUTIONS – ANSA MCAL ENTERPRISES LTD

Client Address: Depot Road Longdenville, Chaguanas

Report Title: Testing of 60mm I-Pavers

Report No: 0325/24/01

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Date: 2024/01/17

Authorized By: Lisa Ramoutar

Lisa Ramoutar, Laboratory Manager

Date: 2024/01/17

Copy No: 1 of 1 **Appendices:** ☐

Report Version: **ORIGINAL** ☒ **RE-ISSUE** ☐ **AMENDED** ☐

Introduction

The client submitted six (6) 60mm I-Pavers for water absorption and compressive strength determination. The samples were submitted on November 20, 2023 and were assigned CARIRI Identification numbers T240342 to T240347

Approach

Guidelines given in *ASTM C140-18a: Standard test method for sampling and testing of concrete masonry units* were used in the investigation.

Results

Testing period: December 05 to 29, 2023

Test results are presented in Tables 1 and 2.

Table 1: Compressive strength results of 60mm I-Pavers

CARIRI ID	Avg. overall dimensions LxBxH (mm)	Net cross-sectional area (mm^2)	Load (N)	Net area compressive strength (N/mm^2)	Requirements of ASTM C936-16
T240342	194×143×61	23 450	1 469 427	62.7	**Minimum Compressive Strength** - Average of 3 units shall be 55 MPa (N/mm^2) and for any individual block shall be 50 MPa (N/mm^2)
T240343	194×143×61	23 450	1 532 423	65.3	
T240344	194×143×62	23 300	1 526 764	65.5	
			Average	64.5	

Date tested: December 29, 2023

Table 2: Water absorption results of 60mm I-Pavers

CARIRI ID	Oven dry density (kg/m^3)	Water absorption (%)	Requirements of ASTM C936-16
T240345	2069	6.7	**Maximum Water absorption -** Average of 3 units shall be 5% and for any individual unit shall be 7%
T240346	2071	6.9	
T240347	2036	8.8	
Average	2059	7.4	

Date tested: December 06 to 07, 2023

END OF REPORT