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REPORT

Attn: Mr. Bimal Seebaran

Project Code: EC03826571/24

Client: ABEL BUILDING SOLUTIONS – ANSA MCAL ENTERPRISES LTD

Client Address: Depot Road Longdenville, Chaguanas

Report Title: Testing of 80mm I-Pavers

Report No: 0293/24/01

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Reviewed By:



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Date: 2024/01/02

Authorized By:



Lisa Ramoutar, Laboratory Manager

Date: 2024/01/02

Copy No:

1 of 1

Appendices:

Report Version:

ORIGINAL

RE-ISSUE

AMENDED

Introduction

The client submitted six (6) 80mm I-Pavers for water absorption and compressive strength determination. The samples were submitted on December 19, 2023 and were assigned CARIRI Identification numbers T240527 to T240532.

Approach

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

Results

Testing period: December 22 to 29, 2023.

Test results are presented in Tables 1 and 2.

Table 1: Compressive strength results of 80mm 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
T240527	194×105×80	23 831	1475.141	61.9	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)
T240528	194×109×80	24 268	1925.321	79.3	
T240529	194×105×80	23 485	1784.430	76.0	
			Average	72.4	

Date tested: December 29, 2023

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Table 2: Water absorption results of 80mm I-Pavers

CARIRI ID	Oven dry density (kg/m ³)	Water absorption (%)	Requirements of ASTM C936-16
T240530	2132	4.9	Maximum Water absorption - Average of 3 units shall be 5% and for any individual unit shall be 7%
T240531	2211	3.6	
T240532	2079	6.3	
Average	2141	4.9	

Date tested: December 22 to 29, 2023

END OF REPORT

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