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REPORT

Attn: Mr. Bimal Seebaran

Project Code: EC03826714/23

Client: ABEL BUILDING SOLUTIONS – ANSA MCAL ENTERPRISES LTD

Client Address: Churchill Roosevelt Highway, Golden Grove, Arouca

Report Title: Testing of Duo Pavers

Report No: 1029/23/01

Project Chief: Lisa Ramoutar

Author(s): William Calliste

Reviewed By: Lisa Ramoutar — **Date:** 2023/07/14
Lisa Ramoutar, Laboratory Manager

Authorized By:

Lisa Ramoutar — **Date:** 2023/07/14
Lisa Ramoutar, Laboratory Manager

Copy No: 1 of 1 **Appendices:** ☐

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

Introduction

The client submitted six (6) Duo pavers (approximate dimensions 60 × 157 × 237 mm) for determination of compressive strength and water absorption. The samples were submitted on June 13, 2023 and were assigned CARIRI Identification numbers T231453 to T231458.

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: June 23 to 30, 2023

Test results are presented in Tables 1 and 2.

Table 1: Compressive strength results of Duo Pavers

CARIRI ID	Avg. overall dimensions L x B x H (mm)	Net cross-sectional area (mm^2)	Load (N)	Net area compressive strength (N/mm^2)
T231453	240×160×59	37680	2 203 550	58.5
T231454	240×160×61	37440	2 200 450	58.8
T231455	240×160×59	37920	2 205 350	58.2
			Average	58.5

Table 2: Water absorption results of Duo Pavers

CARIRI ID	Oven dry density (kg/m^3)	Water absorption (%)
T231456	2231	86
T231457	2228	87
T231458	2212	91
Average	2224	88

⊡ Test Laboratory: CARIRI Materials Laboratory, Trincity West Industrial Estate, Macoya

END OF REPORT