

Mailing Address: Tunapuna Post Office, Trinidad and Tobago Telephone: (868) 299-0210 Telefax: (868) 662-7177 www.cariri.com Email: mail@cariri.com

REPORT

Attn:	Mr. Bimal Seebaran
Project Code:	EC03826773/25
Client:	ABEL BUILDING SOLUTIONS - ANSA MCAL ENTERPRISES LTD
Client Address:	Depot Road Longdenville, Chaguanas
Report Title:	Testing of 80mm Tri-Hex Pavers
Report No:	0055/26/01
Project Chief:	Lisa Ramoutar
Author(s):	Kareem Jennings and Vinesh Lall
Reviewed By:	Ned Hamm Date: 2025/11/05
Authorized By:	Neal Hassim, Civil Technologist
	Lisa Ramoutar, Laboratory Manager
Copy No:	1 of 1 Appendices:
Report Version:	ORIGINAL RE-ISSUE AMENDED

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Introduction

The client submitted six (6) 80mm Tri-Hex Pavers for water absorption and compressive strength determination. The samples were submitted on May 21, 2025 and were assigned CARIRI Identification numbers T251428 to T251433.

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 25 to October 09, 2025

Test results are presented in Tables 1 and 2.

Table 1: Compressive strength results of 80mm Tri-Hex Pavers

CARIRI ID	Avg. overall dimensions LxBxH (mm)	Net cross- sectional area (mm²)	Load (N)	Net area compressive strength (N/mm²)	Requirements of ASTM C936- 16
T251428	185.0×187.5×80.0	21 850	1 456 350	66.7	Minimum Compressive Strength - Average of 3 units
T251429	185.0×187.5×80.0	21 850	1 499 100	68.7	shall be 55 MPa (N/mm²) and
T251430	185.0×187.5×80.0	21 850	1 233 050	56.5	for any individual block shall be 50 MPa (N/mm²)
			Average	64.0	(, , , , , , , , , , , , , , , , , , ,

Date tested: October 09, 2025

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Table 2: Water absorption results of 80mm Tri-Hex Pavers

CARIRI ID	Oven dry density (kg/m³)	Water absorption (%)	Requirements of ASTM C936-16	
T251431	2114	6.8	Maximum Water absorption -	
T251432	2200	3.9	Average of 3 units shall be 5% and	
T251433	2171	5.3	for any individual unit shall be 7%	
Average	2162	5.3		

Date tested: June 25 to July 01, 2025

END OF REPORT

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