



Caribbean Industrial Research Institute

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: EC03826544/24

Client: ABEL BUILDING SOLUTIONS – ANSA MCAL ENTERPRISES LTD

Client Address: Depot Road Longdenville, Chaguanas

Report Title: Testing of 60mm Pathway Pavers

Report No: 0327/24/01

Project Chief: Lisa Ramoutar

Author(s): Kareem Jennings and Vinesh Lall

Reviewed By:

Neal Hassim, Civil Technologist

Date: 2024/01/17

Authorized By:

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 Pathway Pavers for water absorption and compressive strength determination. The samples were submitted on November 20, 2023 and were assigned CARIRI Identification numbers T240330 to T240335.

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, 2023 to January 05, 2024

Test results are presented in Tables 1 and 2.

Table 1: Compressive strength results of 60mm Pathway 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
T240330	201×97×62	19 200	1 185 087	61.7	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)
T240331	201×98×62	19 400	1 299 223	67.0	
T240332	201×100×62	19 800	1 282 589	64.8	
			Average	64.5	

Date tested: January 05, 2024

1. This report relates only to the specific item(s)/sample(s) which has been tested, analysed, or calibrated by CARIRI. It shall be used solely for informing the client of the results of this specific item(s)/sample(s) and not any other. Information contained herein, shall not be used for any other purposes including, but not limited to, Certification, Advertising, and Marketing.
 2. This report may not be reproduced other than in full, except with the prior written authorization from the Executive Management of CARIRI.
 3. Any Opinions and Interpretations expressed within are outside the scope of our Certification and/or Accreditation.

Table 2: Water absorption results of 60mm Pathway Pavers

CARIRI ID	Oven dry density (kg/m ³)	Water absorption (%)	Requirements of ASTM C936-16
T240333	2080	7.7	Maximum Water absorption - Average of 3 units shall be 5% and for any individual unit shall be 7%
T240334	2125	5.9	
T240335	2083	8.0	
Average	2096	7.2	

Date tested: December 05 to 07, 2023

END OF REPORT

-
1. This report relates only to the specific item(s)/sample(s) which has been tested, analysed, or calibrated by CARIRI. It shall be used solely for informing the client of the results of this specific item(s)/sample(s) and not any other. Information contained herein, shall not be used for any other purposes including, but not limited to, Certification, Advertising, and Marketing.
 2. This report may not be reproduced other than in full, except with the prior written authorization from the Executive Management of CARIRI.
 3. Any Opinions and Interpretations expressed within are outside the scope of our Certification and/or Accreditation.