

STORM WATER MANAGEMENT CO., LTD

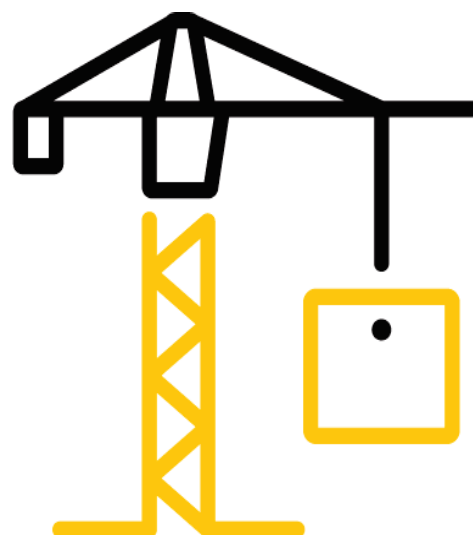
TEST REPORT

REPORT NUMBER
190702149GZU-001

ISSUE DATE
2024/8/12

[REVISED DATE]
/

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Test Report

Issue Date: 2024/8/12 Intertek Report No. 190702149GZU-001

Applicant: STORM WATER MANAGEMENT CO., LTD
Applicant Address: CHANCHA AVENUE, ZIJIN COUNTY, HEYUAN, GUANGDONG, CHINA

Attn: Shi Xu Li

SUBJECT: Performance testing
<<Infiltration tank>>

Dear Sir,

This test report for represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

TEST METHODS AND STANDARDS				
Refer to the next following Pages.				

SAMPLE ID	PRODUCT NAME	MODEL	SPECIFICATION	BRAND
S190702149-001~004	Infiltration tank	1050	1000*500*500	

SAMPLE RECEIEVED: 2024/7/2
TESTED FROM: 2024/7/2 TO 2024/7/8

Test lab address: Room 4103 & 4203, No. 63, Punan Road, Huangpu District, Guangzhou,
Guangdong Province, China

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Test Items, Method and Results:

Test item 1: Vertical load test

Test method: CIRIA C680-2008 and client's requirements

Test surface: Front surface and Section surface

Loading rate: 20mm/min

Loading location of sample surface: full surface of sample via a rigid rectangular platen.

Pre-treat condition: $23\pm2^{\circ}\text{C}$, $(50\pm5)\%$ RH

Client's requirement:

Load at Front surface: Ultimate load strength $\geq 600\text{KN/m}^2$

Load at section surface: Ultimate load strength $\geq 60\text{KN/m}^2$

No.	Test surface	Loading location	Maximum load, KN	Ultimate load strength, KN/m^2	Verdict	Test curve
1	Front surface	full surface	300 ¹⁾	600	Pass	a
2	Section surface	full surface	92.9	186	Pass	b

Note: 1). The capacity of the loading cell of the test apparatus is 300KN, the product didn't show a break phenomenon means that its strength is more than 300KN.

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Test item 2: Vertical load test

Test method: CIRIA C680-2008 and client's requirement

Test surface: Front surface and Section surface

Loading rate: 10mm/min

Loading location of sample surface: full surface of sample via a rigid rectangular platen.

Pre-treat condition: 40°C (The units were conditioned in 40°C for half an hour and were tested immediately after removed from the condition chamber)

Client's requirement:

Load at Front surface: Ultimate load strength $\geq 440\text{KN/m}^2$

Load at section surface: Ultimate load strength $\geq 30\text{KN/m}^2$

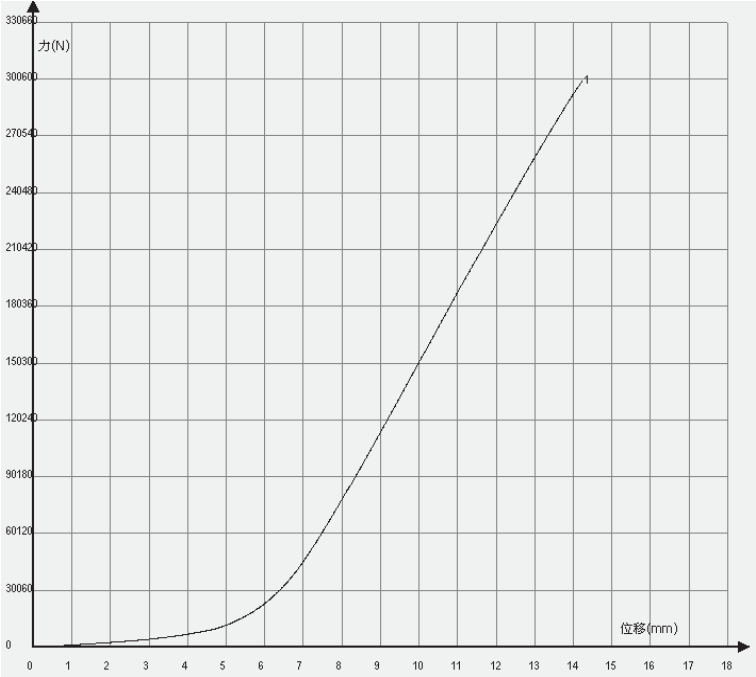
No.	Test surface	Loading location	Maximum load, KN	Ultimate load strength, KN/m^2	Verdict	Test curve
3	Front surface	full surface	300 ¹⁾	600	Pass	c
4	Section surface	full surface	89.48	179	Pass	d

Note: 1). The capacity of the loading cell of the test apparatus is 300KN, the product didn't show a break phenomenon means that its strength is more than 300KN.

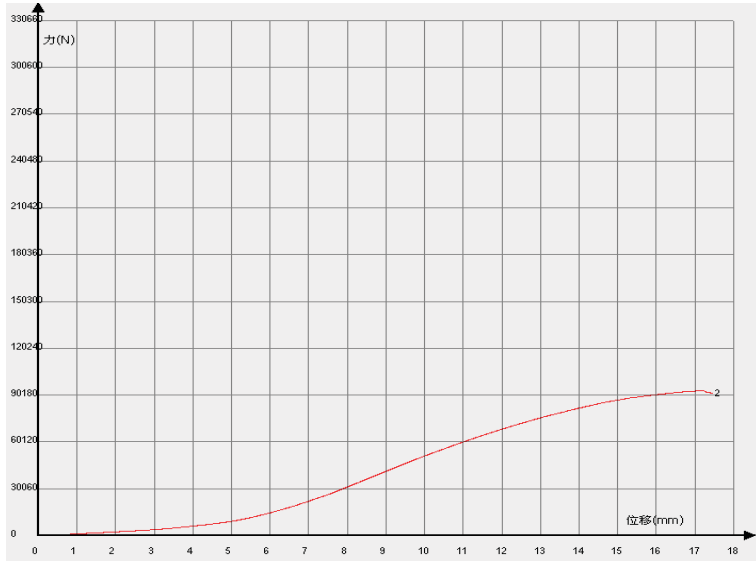
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Test curve: Load/N versus displacement/mm



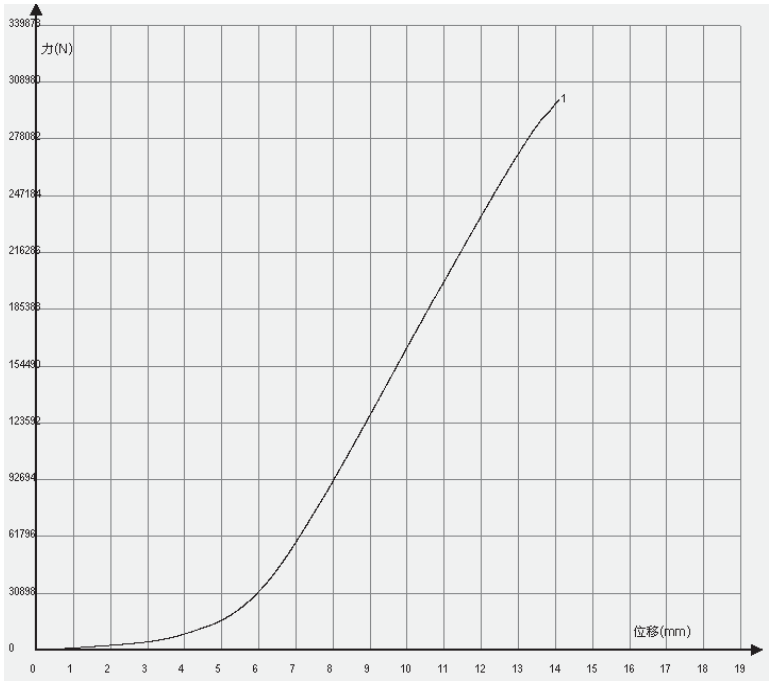
a: Test curve: Load (N) versus displacement (mm)



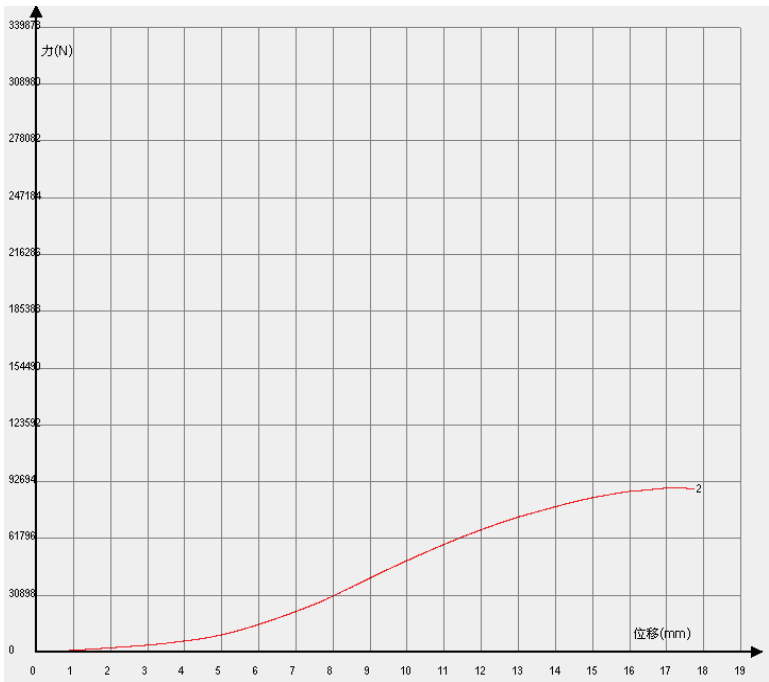
b: Test curve: Load (N) versus displacement (mm)

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c: Test curve: Load (N) versus displacement (mm)



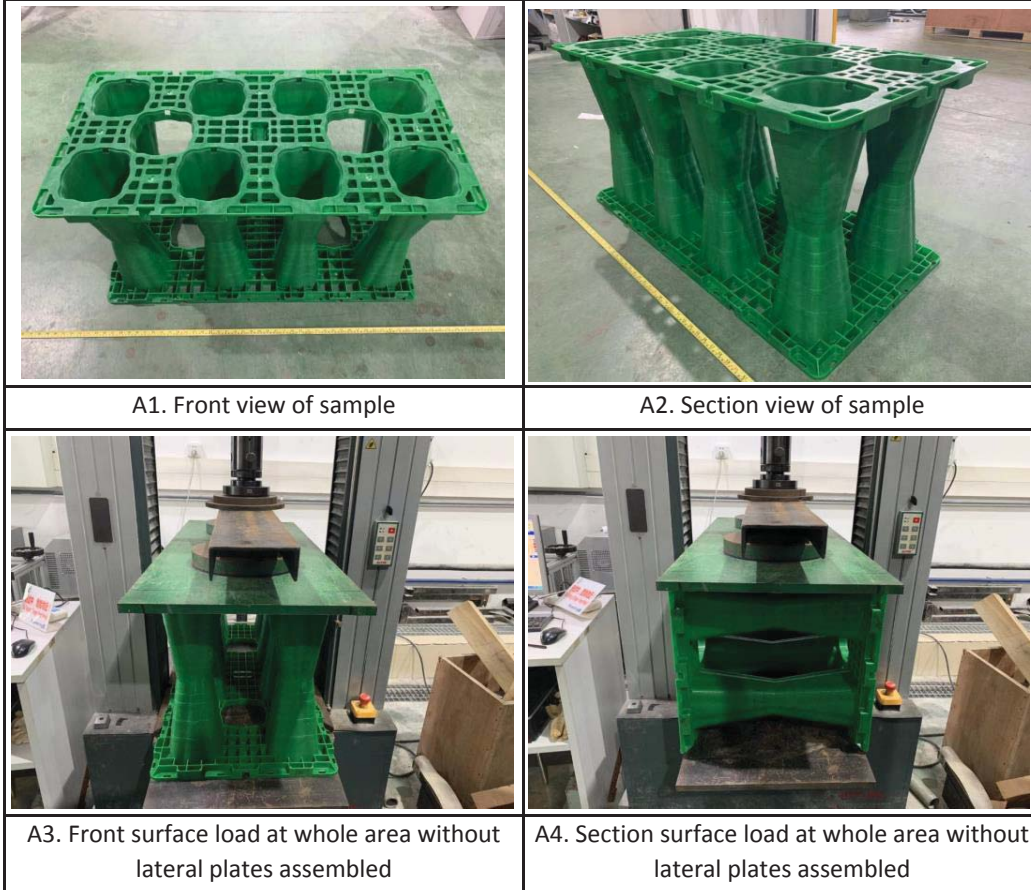
d: Test curve: Load (N) versus displacement (mm)

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APPENDIX A: SAMPLE RECEIVED PHOTO



REPORT AUTHORIZED

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.

Approved by:

Kelming Wang

Name: Kelming Wang
Title: Reviewer

Prepared by:

Hanna Deng

Name: Hanna Deng
Title: Testing Engineer

Revision:

NO.	DATE	CHANGES	AUTHOR	REVIEWER
190702149GZU-001	2024/8/12	First issue	Hanna Deng	Kelming Wang