

# SAIGE LONGLIFE DECKING LIMITED

## TEST REPORT

### SCOPE OF WORK

Saige Subframe System Pressure Test of Saige Rustic Decking Boards

### REPORT NUMBER

240416010SHF-002-R1

### TEST DATE(S)

2024-04-16 - 2024-05-17

### ORIGINAL ISSUE DATE

2024-05-21

### REVISED DATE

2024-06-04

### PAGES

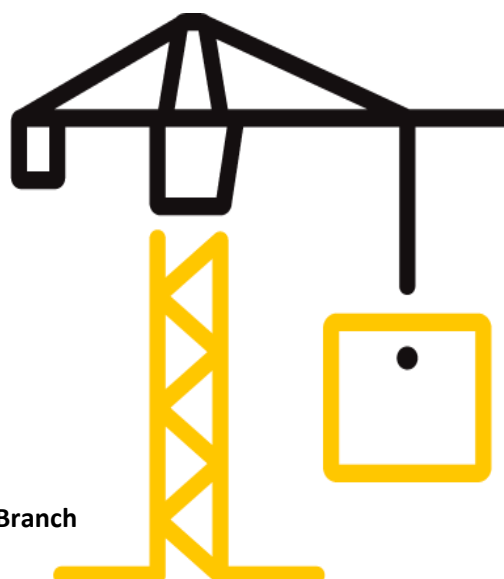
10

### DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10I(February 1, 2024)

© 2024 INTERTEK

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



## Test Report

### Statement

- 1.This report is invalid without company's special seal for testing on the assigned page.
- 2.This report is invalid without an authorized person's signature.
- 3.This report is invalid if altered.
- 4.Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Don't copy this report in partial without any official approval in written by our company. This report is invalid without re-stamping the special seal for testing in copying report.
- 5.This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample(s) tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
- 6.Except for the obligation, responsibility and liability (if any) for the appropriateness and professionalism of afore-mentioned testing itself within the scope and amount of the testing fee received, Intertek does not and will not accept any other obligation or liability.
- 7.If the Client has any questions about the test results, Intertek B&C should be informed within the storage period of the samples. The sample storage period ends 5 working days after the official report issue date. Samples of certification program are retained for the period required by the certification rules. The samples storage period shall be calculated according to the issue date of the original report in the case of quoting results and modifying reports.
- 8.Intertek B&C will service this report for the entire test record retention period. The test record retention period ends 6 years after this report original issue date. The test record retention period for certification program is 10 years. Test records and other pertinent project documentation will be retained for the entire test record retention period.
- 9.The report was digital signed by Shang Hai, Intertek Group plc, please using Adobe Acrobat Reader to verify the authenticity.

Test Report

Original Issue Date: 2024-05-21      Revised Date: 2024-06-04      Intertek Report No. 240416010SHF-002-R1  
Applicant: SAIGE LONGLIFE DECKING LIMITED  
Address: VICARAGE BARNS LOWER QUINTON STRATFORD UPON AVON WARWICKSHIRE CV378SG ENGLAND  
Attn: York  
Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	Model	Specification
Saige Subframe System Pressure Test of Saige Rustic Decking Boards	143*23	700mm (25mm Beam and 50mm Beam), 800mm (25mm Beam and 50mm Beam), 900mm (50mm Beam), 1000mm (50mm Beam), 1100mm (50mm Beam)
Sample ID	Sample Amount	Sample Received Date
S240416010SHF.002	14 sets	2024-04-07
Sample Description		
See Appendix A Sample Received Photo		

Test Methods And Standards

Test Standard	In house method
Specification Standard	/
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:  
1.This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

Report Authorized

  
Name: Daniel Zhang  
Title: Reviewer

  
Name: Will Tan  
Title: Project Engineer



## Test Report

Original Issue Date: 2024-05-21

Revised Date: 2024-06-04

Intertek Report No. 240416010SHF-002-R1

### Test Items, Method and Results:

Test Item: Load Test

Test Method: In house method (Provided by applicant)

Test Procedure:

1. Mount the decking boards on beams by fasteners, the distance between the beams' center is 350mm.
2. Rotate the pedestals, until the height is 185mm;
3. Install the decking boards and beams on the pedestals;
4. Adjust to the specified span, put a steel plate with 100mm diameter on the center, a pre-load of 100N was applied and deflection shall be set at zero. After pre-load, load was applied at 2.5mm/min to 5mm deflection, then record the force.
5. Test two sets of mounted boards with beams, the two sets used the same pedestals.
6. When the span changes, replace the pedestals.

Test Results:

Centres or Spans (mm)	Load at deflection to 5mm using 25mm beams (N)	
	Sample 1	Sample 2
700 (DIM X)	2310	2467
800 (DIM X)	1967	1898

Centres or Spans (mm)	Load at deflection to 5mm using 50mm beams (N)	
	Sample 1	Sample 2
700 (DIM X)	3591	3590
800 (DIM X)	3050	3157
900 (DIM X)	2707	2797
1000 (DIM X)	2377	2449
1100 (DIM X)	2053	2136

## Test Report

Original Issue Date: 2024-05-21

Revised Date: 2024-06-04

Intertek Report No. 240416010SHF-002-R1

### Test Sets:



Fig.1 Test set with 25mm beams



Fig.2 Test set with 50mm beams

Test Report

Original Issue Date: 2024-05-21      Revised Date: 2024-06-04      Intertek Report No. 240416010SHF-002-R1

Test Curves (using 25mm beams):

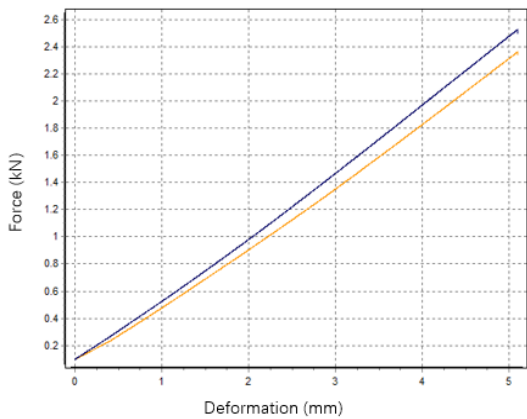


Fig.3 Center 700mm

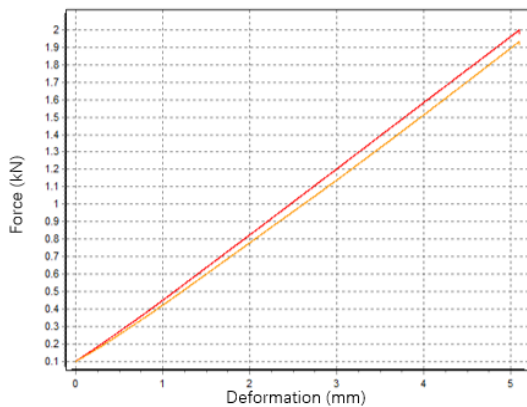


Fig.4 Center 800mm

## Test Report

Original Issue Date: 2024-05-21

Revised Date: 2024-06-04

Intertek Report No. 240416010SHF-002-R1

### Test Curves (using 50mm beams):

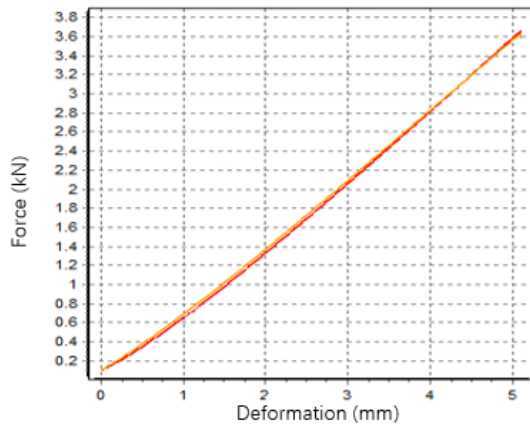


Fig.5 Center 700mm

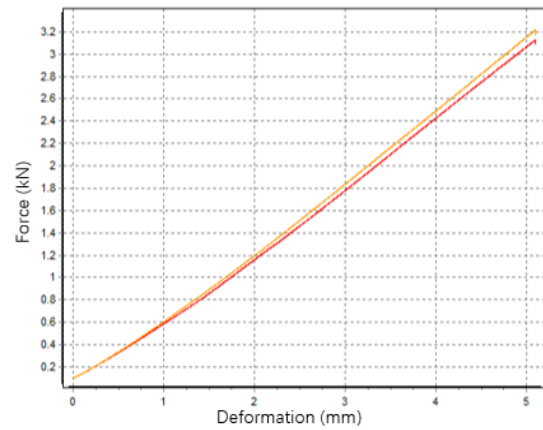


Fig.6 Center 800mm

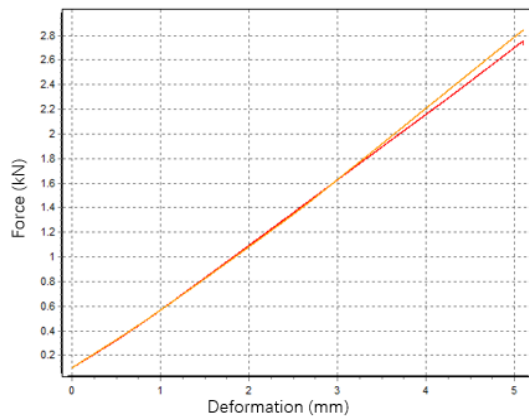


Fig.7 Center 900mm

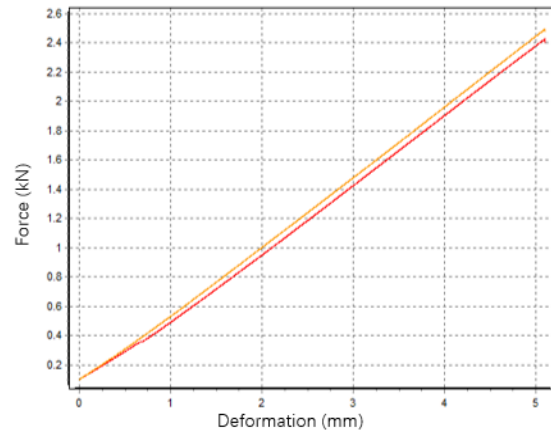


Fig.8 Center 1000mm

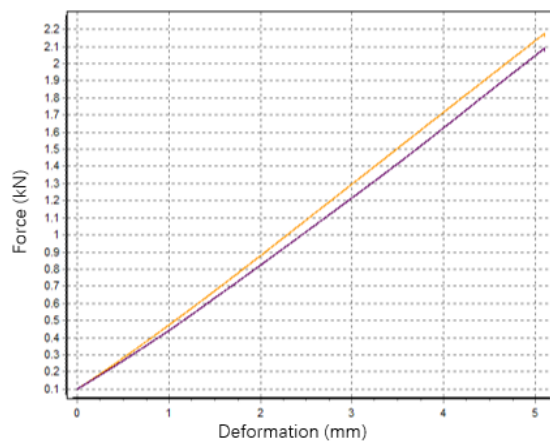


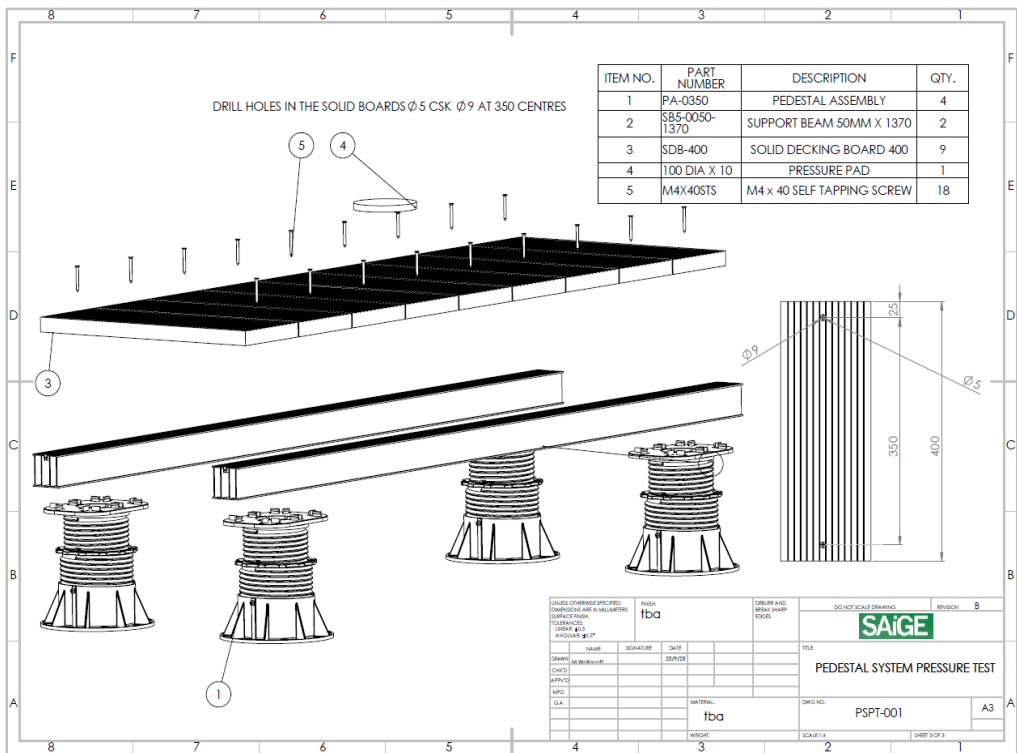
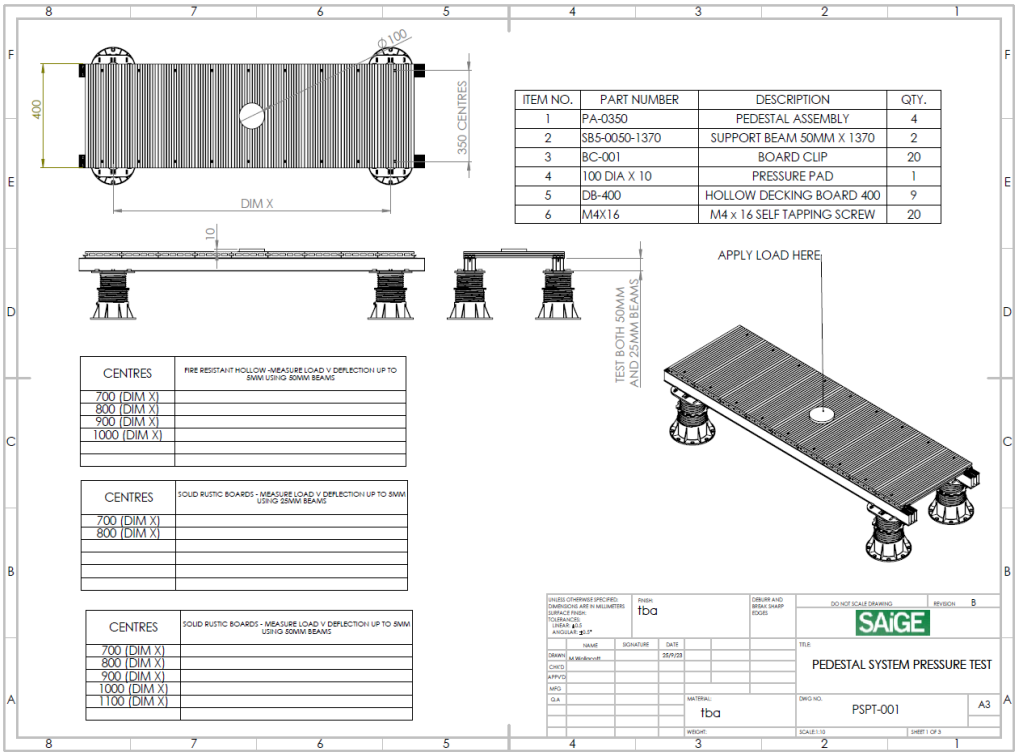
Fig.9 Center 1100mm



Test Report

Original Issue Date: 2024-05-21      Revised Date: 2024-06-04      Intertek Report No. 240416010SHF-002-R1

Drawings (Provided by applicant):





## Test Report

Original Issue Date: 2024-05-21

Revised Date: 2024-06-04

Intertek Report No. 240416010SHF-002-R1

### Appendix A: Sample Received Photo



Decking Boards (Test side)



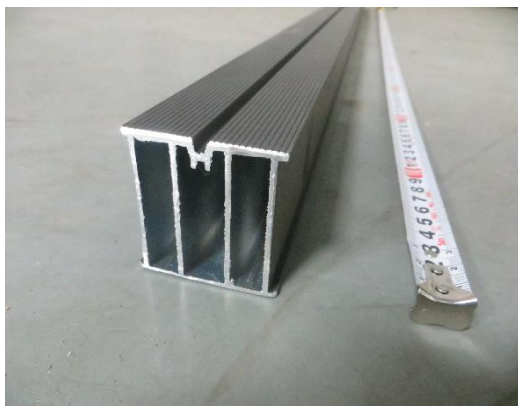
Decking Boards (Back side)



Decking Boards (Section view)



50mm beam



50mm beam (Section view)



25mm beam

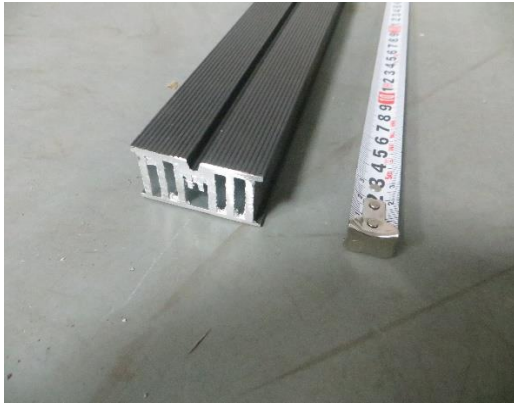
## Test Report

Original Issue Date: 2024-05-21

Revised Date: 2024-06-04

Intertek Report No. 240416010SHF-002-R1

### Appendix A: Sample Received Photo (Cont'd)



25mm beam (Section view)



Pedestal



Fastner

#### Revision:

NO.	Date	Changes
240416010SHF-002	2024-05-21	First issue
240416010SHF-002-R1	2024-06-04	Change the language of test curves coordinates in English as per applicant's requirement

Note: Since the issue date of 240416010SHF-002-R1 report, the original report 240416010SHF-002 was cancelled at the same time.