

SAIGE LONGLIFE DECKING LIMITED

TEST REPORT

SCOPE OF WORK

Saige Subframe System Pressure Test of Saige Class B Fire Resistant Hollow Decking Boards

REPORT NUMBER

240416010SHF-001-R1

TEST DATE(S)

2024-04-16 - 2024-05-17

ORIGINAL ISSUE DATE REVISED DATE

2024-05-21 2024-06-04

PAGES

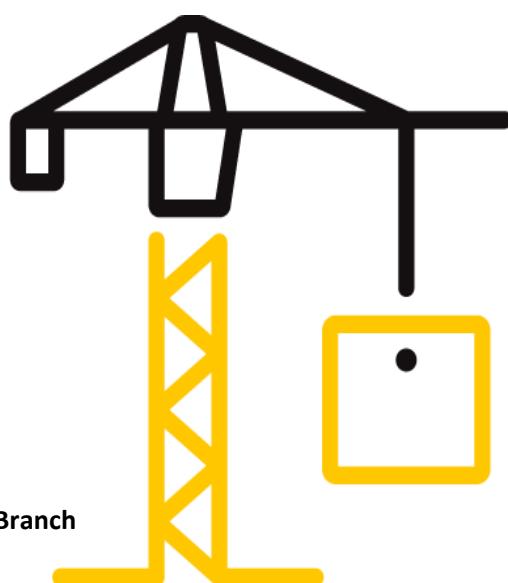
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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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Test Report

Original Issue Date: 2024-05-21 Revised Date: 2024-06-04 Intertek Report No. 240416010SHF-001-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 Class B Fire Resistant Hollow Decking Boards	143*23	700mm,800mm, 900mm,1000mm (Test 50mm Beam)
Sample ID	Sample Amount	Sample Received Date
S240416010SHF.001	8 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

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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 fastners, 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 50mm beams (N)	
	Sample 1	Sample 2
700 (DIM X)	2451	2427
800 (DIM X)	2180	2322
9000 (DIM X)	2053	2013
1000 (DIM X)	1799	1853

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Test Set:



Fig.1 Test set with 50mm beams

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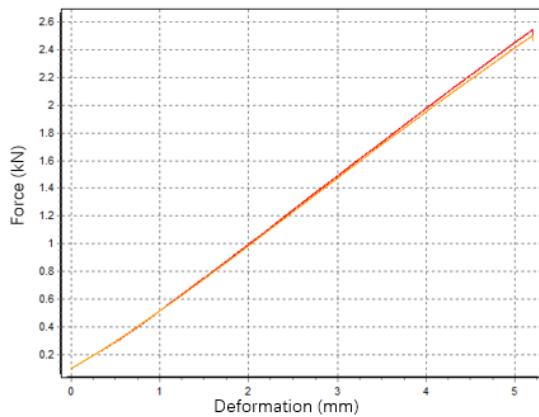
Test Curves (using 50mm beams):

Fig.2 Center 700mm

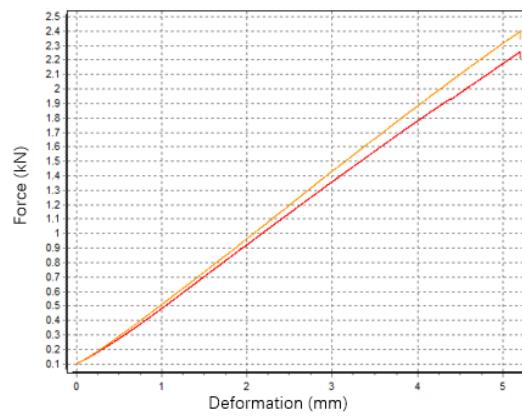


Fig.3 Center 800mm

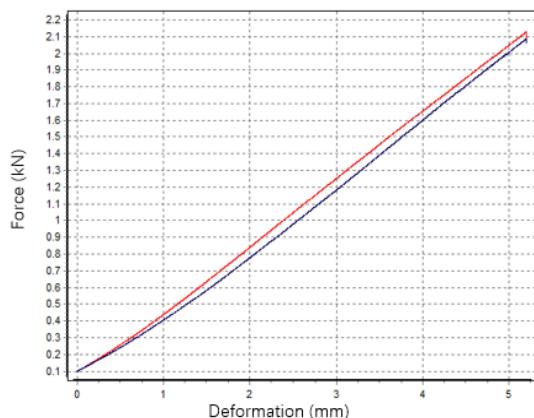


Fig.4 Center 900mm

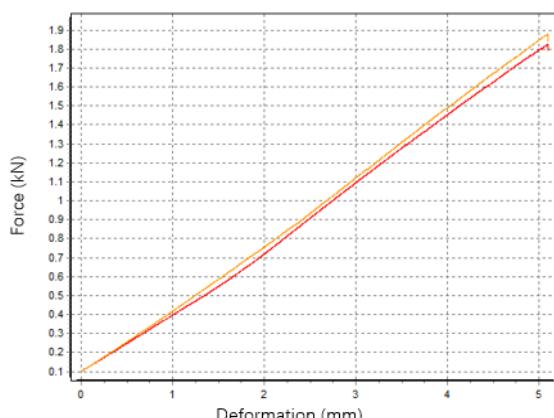


Fig.5 Center 1000mm

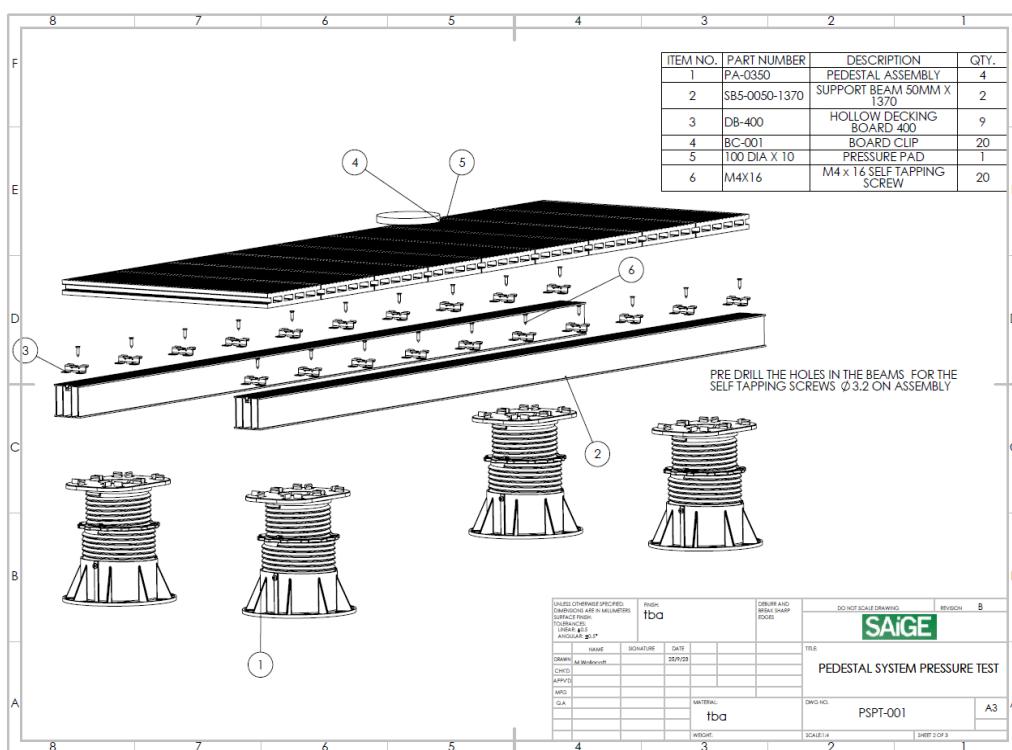
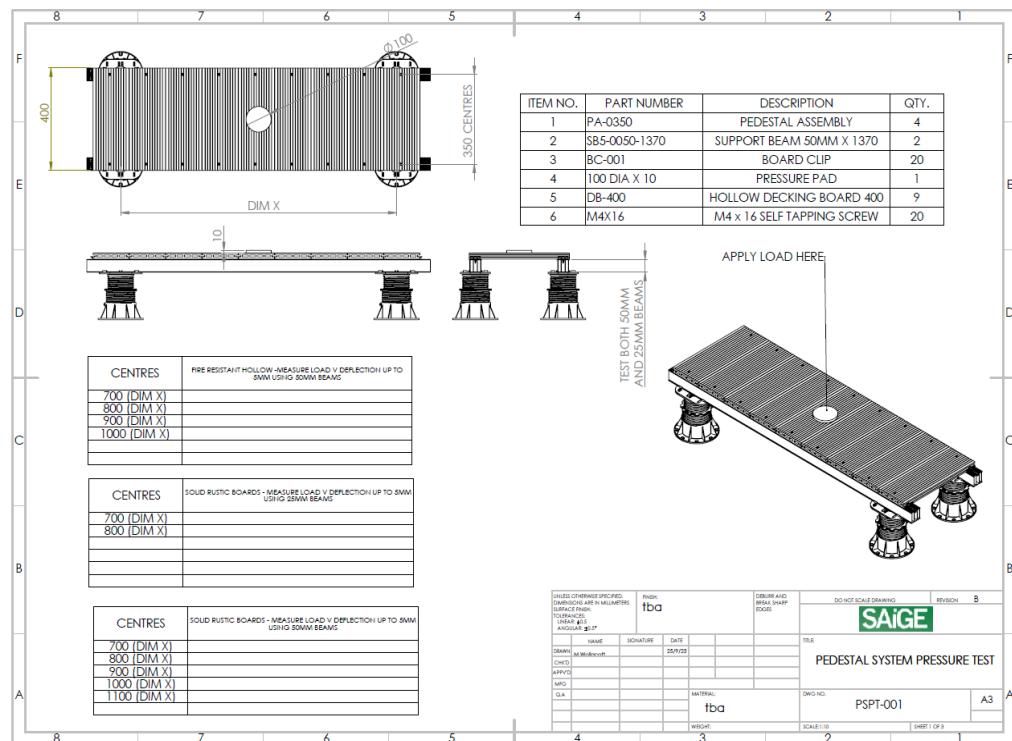
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Drawings (Provided by applicant):



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Appendix A: Sample Received Photo



Decking Boards (Test side)



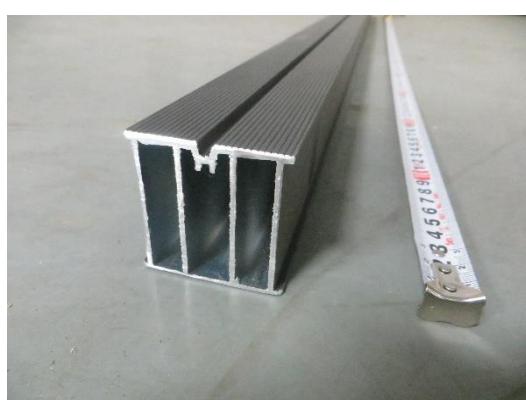
Decking Boards (Back side)



Decking Boards (Section view)



50mm beam



50mm beam (Section view)

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Appendix A: Sample Received Photo (Cont'd)

Pedestal



Fastners

NO.	Date	Changes
240416010SHF-001	2024-05-21	First issue
240416010SHF-001-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-001-R1 report, the original report 240416010SHF-001 was cancelled at the same time.