

TEST REPORT

REPORT SERIAL NUMBER

104241

DATE OF ISSUE

03/02/2022

Customer

PCP Gratings
4 enterprise Drive
Four Ashes
Wolverhampton
WV107DF

Testing of

Pressed Steel Boards
Tested in accordance with BS12811-1:2003 (E)
Table 3 service loads on working areas
Load Class 6 @ 1.2m

Lloyds British is a trading division of Speedy Asset Services Ltd

Chase House
16 The Parks
Newton-Le-Willows
Merseyside WA12 0JQ

Trading Address: Lloyds British
Unit 1 kings Hill Business Park
Darlaston Road
Wednesbury WS10 7SH

Tel : 0121 506 4620
Email : Sales@Lloydsbritish.com
www.lloydsbritish.com

Registered Office: Chase House, 16 The Parks, Newton – Le – Willows, Merseyside WA12 0JQ
Registered in England and Wales under no 6847930 VAT Reg No GB 151 6295 70

TABLE OF CONTENTS

- 1.0 Test Objective
- 2.0 Name of test house
- 3.0 Accreditation Reference
- 4.0 Date of test
- 5.0 Description of samples tested
- 6.0 Test type
- 7.0 Equipment and calibration
- 8.0 Test data

1) Test Objective.

Board load applications carried out at simply support spans of 1.2 meters per board.
Submitted samples chosen by client, 3 off at random.
Elastic deflection factored as 1/100, not to exceed 25mm.

2) Name of Test House

Lloyds British
Unit 1 Kings Hill Business Park
Darlaston Road
Wednesbury
WS10 7SH

3) Accreditation Reference

ISO 9001:2008

4) Date of Test

03/02/2022

5) Description of Item Tested

3 number free issue Pressed Steel scaffold boards, test to be applied at 1.2 meter centers.

Board's size nominal 257mm x 3000mm x 38mm

Test loads taken from the code Annex A table A.

Table 3 — Service loads on working areas (see also 6.2.2)

Load class	Uniformly distributed load q_1 kN/m^2	Concentrated load on area 500 mm x 500 mm F_1 kN	Concentrated load on area 200 mm x 200 mm F_2 kN	Partial area load	
				q_p kN/m^2	Partial area factor β_p ¹
1	0.75 ²	1.50	1.00	---	---
2	1.50	1.50	1.00	---	---
3	2.00	1.50	1.00	---	---
4	3.00	3.00	1.00	5.00	0.4
5	4.50	3.00	1.00	7.50	0.4
6	6.00	3.00	1.00	10.00	0.5

¹ See 6.2.2.4
² See 6.2.2.1

6) Test Type

Live load application as per specification.

UDL distribution 4.63kNm (472.13 kg)

Concentrated Load 3kN (305.95kg) over a 500mm² area

Concentrated Load 1kN (101.97kg) over a 200mm² area

Partial area load = 3.9kN (397.6kg) over a 0.39m² area

7) Equipment & Calibration

Calibrated test mass

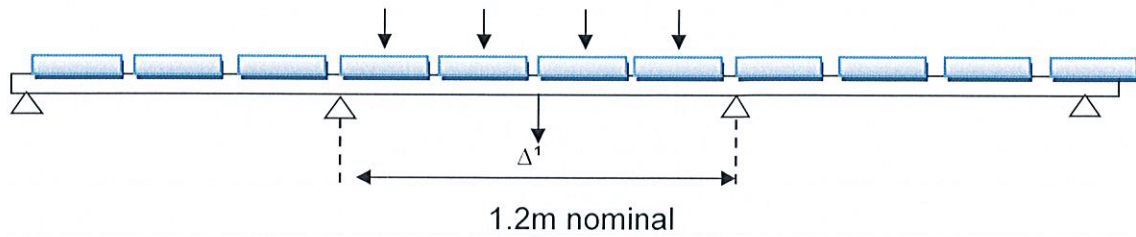
Scaffold boards tested at 1.2m centers

3 x Submitted boards

Calibrated DTI

Calibrated tensile load cell.

8) Test Data



Results

Samples	UDL in kNm ²	Deflection recorded	Permanent deformation
1	4.63 kNm ²	1.98mm	0mm
2	4.63 kNm ²	3.01mm	0mm
3	4.63 kNm ²	1.50mm	0mm

Samples	Concentrated Load 500x500	Deflection recorded	Permanent deformation
1	3.00 kN	5.23mm	0mm
2	3.00 kN	5.77mm	0mm
3	3.00 kN	6.52mm	0mm

Samples	Concentrated Load 200x200	Deflection recorded	Permanent deformation
1	1.00 kN	1.10mm	0mm
2	1.00kN	1.02mm	0mm
3	1.00kN	1.08mm	0mm

Samples	Partial area load 3.9 x 0.22 x 10 = 8.58kg (874.92kg) Partial Area Factor a ^{p1}	Deflection recorded	Permanent deformation
1	4.3 kN	8.65mm	0mm
2	4.3 kN	9.10mm	0mm
3	4.3 kN	9.82mm	0mm

The above results shall be interpreted as a pass in accordance with BS EN 12811-1 2003 (E)

Test Conducted by: L.Stanaway

Test report reviewed by:

