

Determination of Load vs Settlement (Incremental Loading)

In accordance with BS 1377: Part 9: 1990: Clause 4.1 and in-house TPSM014

REPORT NUMBER: C4006539 / 31977.4.1.2

CLIENT REF: 4006539

DATE COMPLETED: 16/07/2025

TESTED BY: Phil Woolley

LOCATION: Test 2 boneyard

GROUND CONDITIONS: Dry

DISTANCE FROM EDGE OF
PLATE TO WALL: Na

TEST DEPTH: 0mm

AIR TEMPERATURE: 14°C

SAMPLING PLAN: Client Specification

CLIENT:

ADDRESS:

SITE:

LAT / LNG:

MATERIAL:

ENVIRONMENTAL CONDITIONS: Overcast

Hewitt Sportsturf Limited

45 Cambridge Rd, Cosby, Leicester LE9 1SJ, LE9 1SJ

Manchester City Training Ground

N/A

TARMAC approx 200mm

SUPPLIER:

SOURCE:

TEST METHOD:

SAMPLE TAKEN:

Site won

Site won

Incremental Plate Loading

No

Equipment Details

Type of Kentledge: 21 Tonne excavator

Plate Diameter: 600 mm

Plate Area: 0.282743 m²

Plate Correction: 0.80

Results

Max applied pressure:

Max settlement:

Avg Bearing Pressure (P) at 1.25mm penetration:

Modulus of subgrade K762:

Equivalent C.B.R Value at 1.25mm penetration:

Plate recovery:

66 kN/m²

0.09 mm

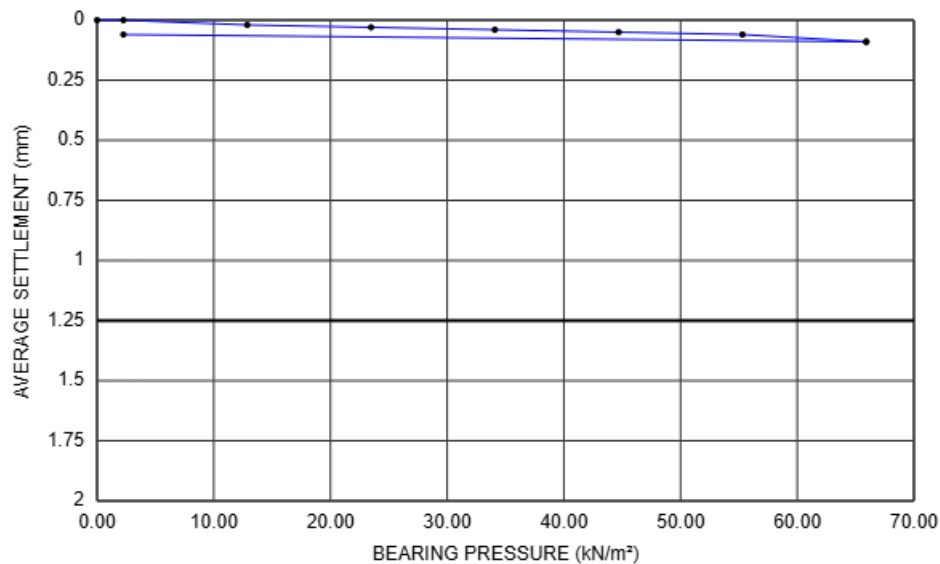
> 66 kN/m²

> 42 kN/m²/mm

> 6.4%

33%

APPLIED LOAD vs SETTLEMENT RELATIONSHIP



Equivalent C.B.R Value: > 6.4 %

Remarks:

Test results reported relate only to the items tested.

This report shall not be reproduced except in full without approval of the Laboratory.

Opinions and interpretations expressed herein are outside the scope of UKAS

Accreditation. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Report Format: LOS/STPS8/Rep Issue 1 Rev 0 11/22

116 The Burrows,
East Goscote,
Leicester LE7 3XD

0116 319 6100
info@simtec-mt.co.uk
www.simtec-mt.co.uk

Determination of Load vs Settlement (Incremental Loading)

In accordance with BS 1377: Part 9: 1990: Clause 4.1 and in-house TP5M014

REPORT NUMBER: C4006539 / 31977.4.1.2

TEST RESULTS

LOAD APPLIED TO PLATE	AVERAGE BEARING PRESSURE	GAUGE READING			GAUGE SETTLEMENT			AVERAGE SETTLEMENT
		1	2	3	1	2	3	
kN	kN/m ²	mm			mm			mm
0.6	2.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6	12.9	-0.02	-0.01	-0.04	0.02	0.01	0.04	0.02
6.6	23.5	-0.03	-0.01	-0.04	0.03	0.01	0.04	0.03
9.6	34.1	-0.05	-0.03	-0.04	0.05	0.03	0.04	0.04
12.6	44.7	-0.06	-0.05	-0.05	0.06	0.05	0.05	0.05
15.6	55.3	-0.07	-0.06	-0.05	0.07	0.06	0.05	0.06
18.6	65.9	-0.09	-0.08	-0.09	0.09	0.08	0.09	0.09
18.6	65.9	-0.09	-0.09	-0.09	0.09	0.09	0.09	0.09
0.6	2.3	-0.04	-0.06	-0.08	0.04	0.06	0.08	0.06

Remarks:

Test results reported relate only to the items tested.
This report shall not be reproduced except in full without approval of the Laboratory.
Opinions and interpretations expressed herein are outside the scope of UKAS
Accreditation. The laboratory does not apply a conformity statement to test reports as
standard, unless specifically requested by the customer.

For and on behalf of Simtec
Nick Thompson - Reporting Co-ordinator



Approved Signatory
Report date 17-Jul-25



10108

Report Format: LOS/STPS8/Rep Issue 1 Rev 0 11/22

116 The Burrows,
East Gosport,
Leicester LE7 3XD

0116 319 6100
info@simtec-mt.co.uk
www.simtec-mt.co.uk
END OF REPORT