SIMTEC
CONSTRUCTION MATERIALS TESTING
A PHENNA GROUP COMPANY

TEST REPORT

Determination of Load vs Settlement (Incremental Loading)

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

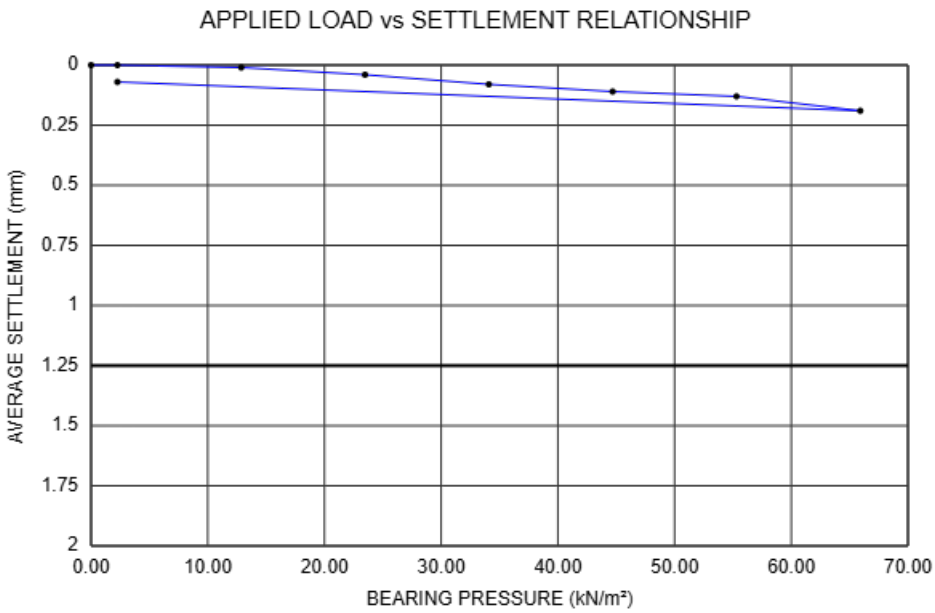
REPORT NUMBER:	C4006539 / 31977.4.1.1		
CLIENT REF:	4006539	CLIENT:	Hewitt Sportsturf Limited
DATE COMPLETED:	16/07/2025	ADDRESS:	45 Cambridge Rd, Cosby, Leicester LE9 1SJ, LE9 1SJ
TESTED BY:	Phil Woolley	SITE:	Manchester City Training Ground
LOCATION:	Test 1 boneyard	LAT / LNG:	N/A
GROUND CONDITIONS:	Moist	MATERIAL:	TARMAC approx 200mm
DISTANCE FROM EDGE OF PLATE TO WALL:	Na	ENVIRONMENTAL CONDITIONS:	Overcast
TEST DEPTH:	0mm	SUPPLIER:	Site won
AIR TEMPERATURE:	15°C	SOURCE:	Site won
SAMPLING PLAN:	Client Specification	TEST METHOD:	Incremental Plate Loading
		SAMPLE TAKEN:	No

Equipment Details

Type of Kentledge:	21 Tonne excavator
Plate Diameter:	600 mm
Plate Area:	0.282743 m^2
Plate Correction:	0.80

Results

Max applied pressure:	66 kN/m^2
Max settlement:	0.19 mm
Avg Bearing Pressure (P) at 1.25mm penetration:	> 66 kN/m^2
Modulus of subgrade K762:	> 42 $kN/m^2/mm$
Equivalent C.B.R Value at 1.25mm penetration:	> 6.4%
Plate recovery:	61%



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 TPSM014

REPORT NUMBER: C4006539 / 31977.4.1.1

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	-0.01	-0.02	-0.00	0.01	0.02	0.00	0.01
6.6	23.5	-0.03	-0.06	-0.03	0.03	0.06	0.03	0.04
9.6	34.1	-0.05	-0.13	-0.05	0.05	0.13	0.05	0.08
12.6	44.7	-0.07	-0.17	-0.08	0.07	0.17	0.08	0.11
15.6	55.3	-0.09	-0.22	-0.08	0.09	0.22	0.08	0.13
18.6	65.9	-0.13	-0.29	-0.14	0.13	0.29	0.14	0.19
0.6	2.3	-0.01	-0.16	-0.05	0.01	0.16	0.05	0.07

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

UKAS TESTING
10108

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

END OF REPORT