

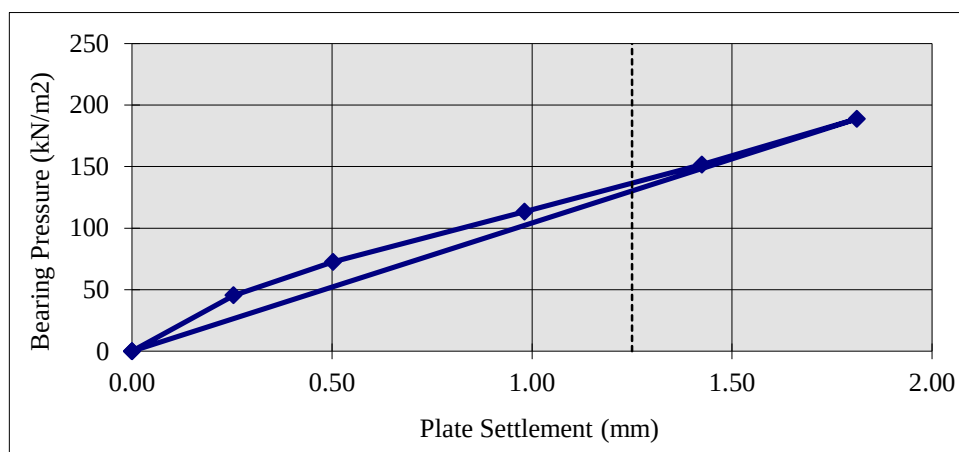


TESTCONSULT LIMITED
Ruby House, 40A Hardwick Grange, Warrington WA1 4RF
Tel. (01925) 286880 Fax. (01925) 286881
LABORATORY TEST REPORT
DETERMINATION OF PLATE BEARING CAPACITY

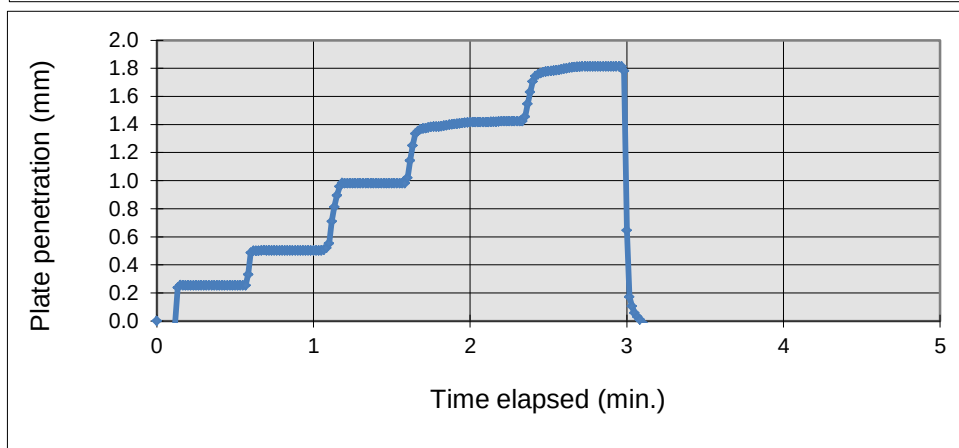


Project :	C/O Keepmoat, Glen Gors, Wrexham	Job No.	L2205
Client :	ADM Regeneration Ltd	Lab Ref No	SA16899/01
	Warrington Lane	Date Tested	24/07/2014
	Lymm	Date Reported	25/07/2014
	WA13 0SA	Weather Conditions:	Sunny
Originator :	Elaine cooper / John Rogers		

Location : CBR 8 - Test 1



Material Type	6F2
Plate Diameter (mm)	450
Technician	GW
Depth	Not Stated
Type of Reaction Load	Site plant



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
45.4	0.25
72.6	0.50
113.4	0.98
151.6	1.42
188.8	1.81
0.0	0.00

Maximum Applied Pressure (kPa) : 189

Maximum deformation (mm) : 1.81

Modulus of subgrade reaction K (MN/m³) : 109

K₇₆₂ (MN/m³) : 68

Estimated CBR (%) : 14

Moisture Content (%) : NR

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

Approved Signature

TESTCONSULT LIMITED

■ Philip Thorp, Operations Manager

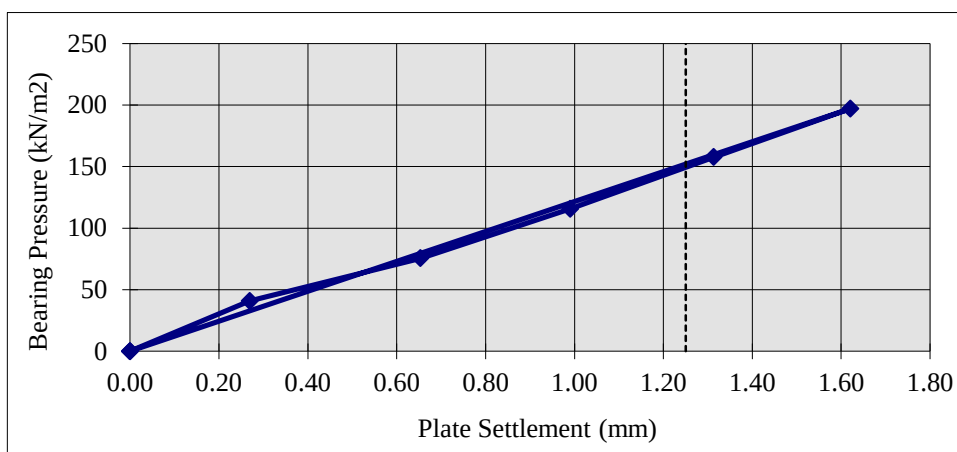


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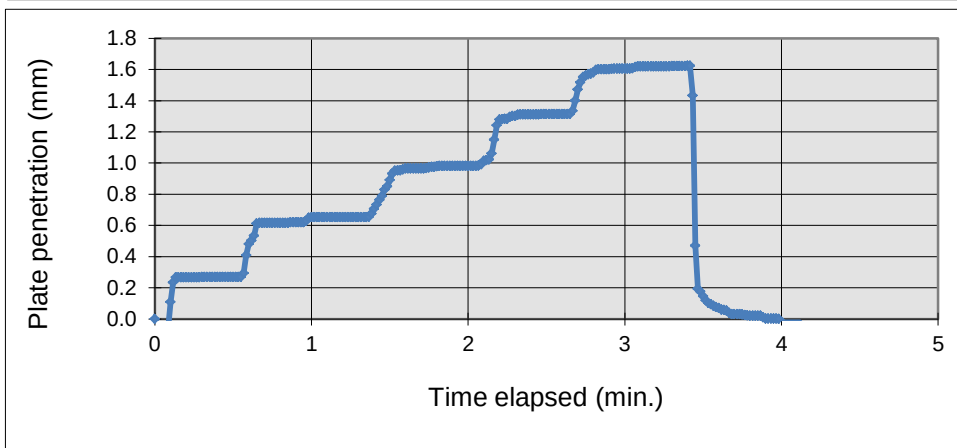


Project :	C/O Keepmoat, Glen Gors, Wrexham	Job No.	L2205
Client :	ADM Regeneration Ltd	Lab Ref No	SA16899/02
	Warrington Lane	Date Tested	24/07/2014
	Lymm	Date Reported	25/07/2014
	WA13 0SA	Weather Conditions:	Sunny
Originator :	Elaine cooper / John Rogers		

Location : CBR 9 - Test 2



Material Type	6F2
Plate Diameter (mm)	450
Technician	GW
Depth	Not Stated
Type of Reaction Load	Site plant



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
40.9	0.27
75.6	0.65
115.7	0.99
157.7	1.31
197.1	1.62
0.0	0.00

Maximum Applied Pressure (kPa) : 197

Maximum deformation (mm) : 1.62

Modulus of subgrade reaction K (MN/m³) : 120

K₇₆₂ (MN/m³) : 74

Estimated CBR (%) : 17

Moisture Content (%) : NR

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

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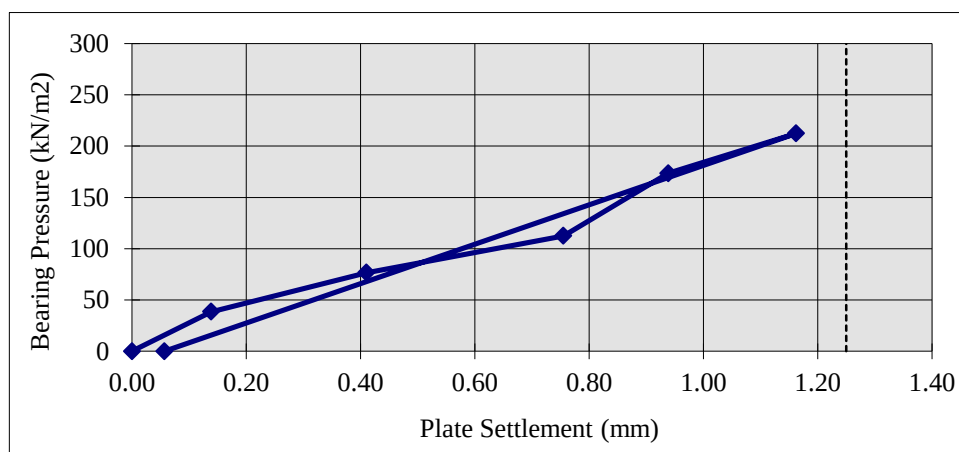


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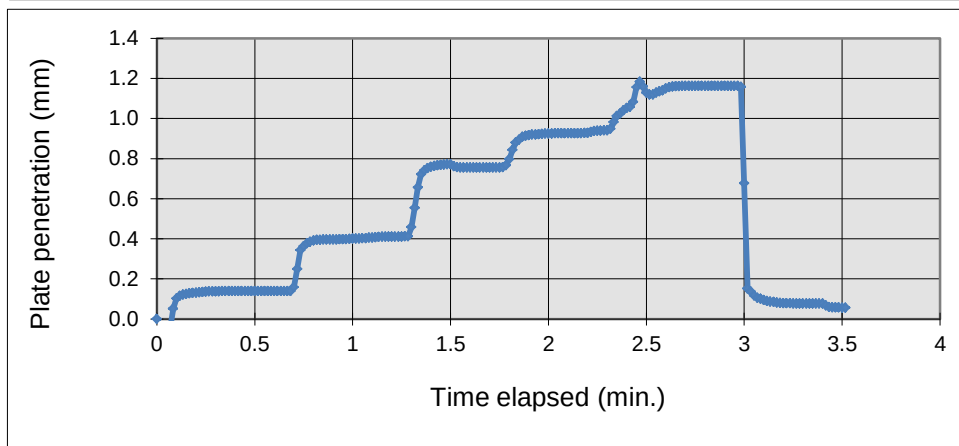


Project :	C/O Keepmoat, Glen Gors, Wrexham	Job No.	L2205
Client :	ADM Regeneration Ltd	Lab Ref No	SA16899/03
	Warrington Lane	Date Tested	24/07/2014
	Lymm	Date Reported	25/07/2014
	WA13 0SA	Weather Conditions:	Sunny
Originator :	Elaine cooper / John Rogers		

Location : CBR11 - Test 3



Material Type	6F2
Plate Diameter (mm)	450
Technician	GW
Depth	Not Stated
Type of Reaction Load	Site plant



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
38.5	0.14
76.6	0.41
112.5	0.76
173.5	0.94
212.3	1.16
0.0	0.06

Maximum Applied Pressure (kPa) : 212

Maximum deformation (mm) : 1.16

Modulus of subgrade reaction K (MN/m³) : 183

K₇₆₂ (MN/m³) : 114

Estimated CBR (%) : 35

Moisture Content (%) : NR

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

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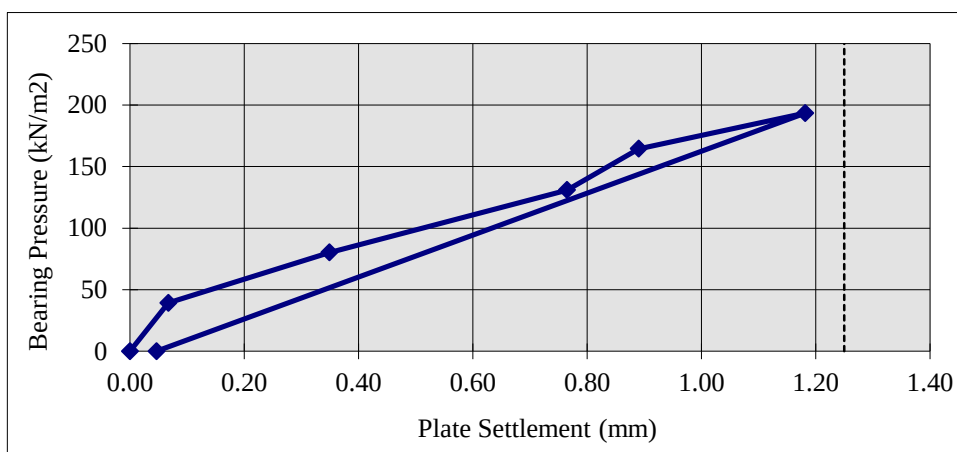


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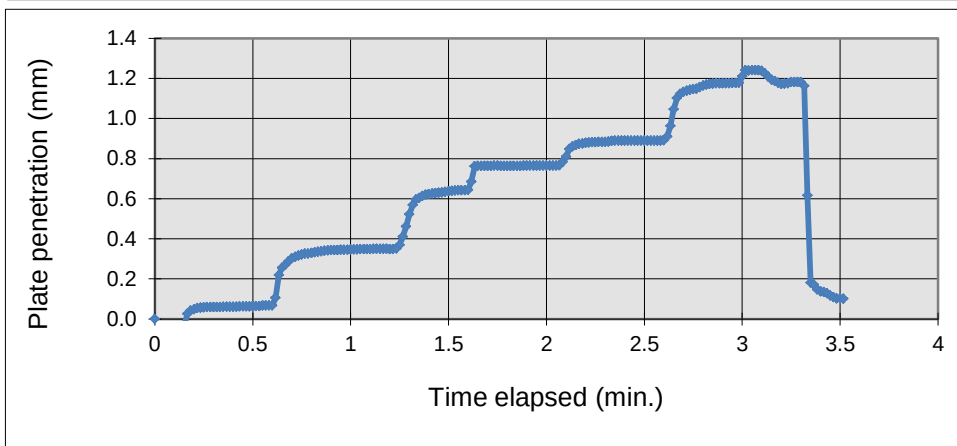


Project :	C/O Keepmoat, Glen Gors, Wrexham	Job No.	L2205
Client :	ADM Regeneration Ltd	Lab Ref No	SA16899/04
	Warrington Lane	Date Tested	24/07/2014
	Lymm	Date Reported	25/07/2014
	WA13 0SA	Weather Conditions:	Sunny
Originator :	Elaine cooper / John Rogers		

Location : CBR10 - Test 4



Material Type	6F2
Plate Diameter (mm)	450
Technician	GW
Depth	Not Stated
Type of Reaction Load	Site plant



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
39.3	0.07
80.2	0.35
131.0	0.76
164.5	0.89
193.4	1.18
0.0	0.05

Maximum Applied Pressure (kPa) : 193

Maximum deformation (mm) : 1.18

Modulus of subgrade reaction K (MN/m³) : 164

K₇₆₂ (MN/m³) : 102

Estimated CBR (%) : 29

Moisture Content (%) : NR

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

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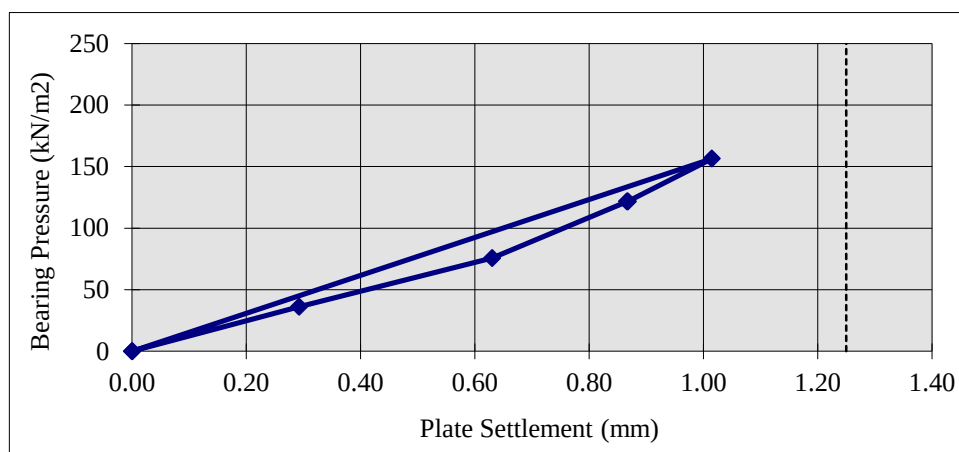


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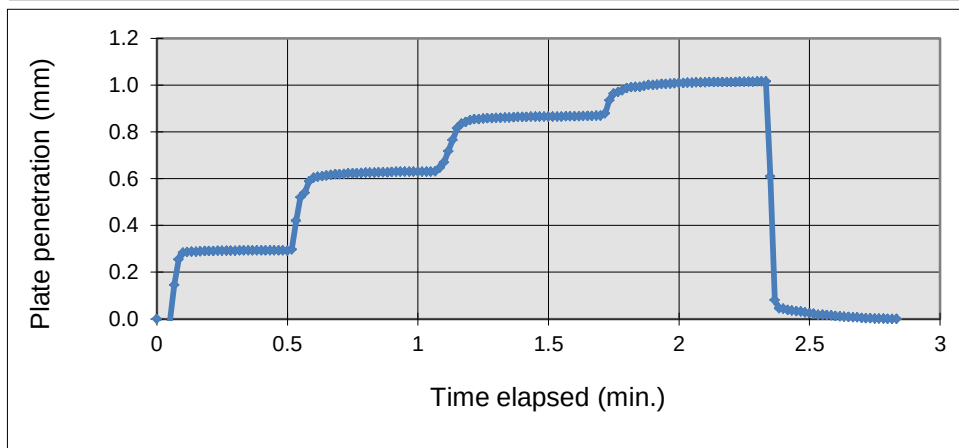


Project :	C/O Keepmoat, Glen Gors, Wrexham	Job No.	L2205
Client :	ADM Regeneration Ltd	Lab Ref No	SA16899/05
	Warrington Lane	Date Tested	24/07/2014
	Lymm	Date Reported	25/07/2014
	WA13 0SA	Weather Conditions:	Sunny
Originator :	Elaine cooper / John Rogers		

Location : CBR12 - Test 5



Material Type	6F2
Plate Diameter (mm)	450
Technician	GW
Depth	Not Stated
Type of Reaction Load	Site plant



Bearing Pressure (kN/m²)	Plate Settlement (mm)
0.0	0.00
36.2	0.29
75.7	0.63
121.5	0.87
121.7	0.87
156.4	1.01
0.0	0.00

Maximum Applied Pressure (kPa) : 156

Maximum deformation (mm) : 1.01

Modulus of subgrade reaction K (MN/m³) : 155

K₇₆₂ (MN/m³) : 96

Estimated CBR (%) : 27

Moisture Content (%) : NR

Plate Load - Tested in accordance with BS 1377 : Part 9 Cl. 4.1: 1990

Moisture Content - Tested in accordance with BS 1377: Part 2 : 1990, oven drying method

Values K₇₆₂, K and CBR(%) calculated in accordance with Interim Advice Note 73/06 (Draft HD25)

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