

Forster Building  
25-45 Newcastle St  
Manchester M15 6JX

Ford Engineering Solutions Ltd  
29 Cobden St, Ford M6 6WF  
Salford FPV7+V6

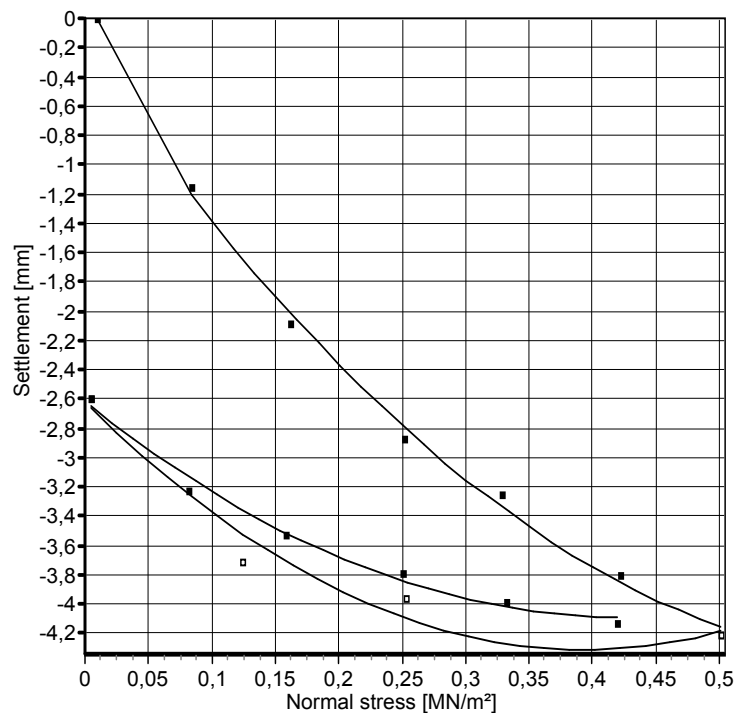
Measurement serie: 0136  
Inspector: Mr. James Ryan  
Date/time: 2023-04-10 / 14:09 - 14:41  
Temperature/weather: 14°C / dry  
Weather yesterday: rainy

### Static Plate Load Test acc. to DIN 18134

Project: 1822B  
Soil type: gravel layer  
Measuring point: Oxford Rd/Grosvenor St.  
Plate base: fine sand  
Excavation: no

Load plate diameter: 300 mm  
Kind of settlement measuring instr.: indirect  
Contact arm factor: 2:1  
Device-No.: 1268

Value No.	Normal stress MN/m <sup>2</sup>	Settlement [mm]
First load		
1.	0,0100	0,00
2.	0,0836	1,15
3.	0,1615	2,09
4.	0,2517	2,87
5.	0,3289	3,25
6.	0,4224	3,80
7.	0,5011	4,21
Unloading		
8.	0,2532	3,96
9.	0,1243	3,71
10.	0,0050	2,59
Second load		
11.	0,0813	3,23
12.	0,1586	3,53
13.	0,2509	3,79
14.	0,3321	3,99
15.	0,4194	4,13



Loading No.:	1	2	3	
sig0 max. [MN/m <sup>2</sup> ]	0.5011	0.5011		Ev1 = 28.7 MN/m <sup>2</sup>
a0 [mm/(MN/m <sup>2</sup> )]	0.227	2.619		Ev2 = 78.8 MN/m <sup>2</sup>
a1 [mm/(MN/m <sup>2</sup> )]	12.569	6.931		
a2 [mm/(MN/m <sup>2</sup> ) <sup>2</sup> ]	-9.428	-8.134		Ev2/Ev1 = 2.75
Ev [MN/m <sup>2</sup> ]	28.7	78.8		
Ev2 >= 70MN/m <sup>2</sup> Requirement is fulfilled!				
Ev2/Ev1 <= 2,9 Requirement is fulfilled!				

Comments  
none

Manchester 2023-04-10