

Unconfined Compressive Strength of soil - load frame method

Job Ref		A190707	
		Borehole/Pit No.	
Val-006		Mix Design	
5% CEMI		Depth	
0.00		Sample Type	
BLK		KeyLAB ID	
CEGL202009097		Date of test	
15/09/2020		Test Method	
BS EN 13286:Part 41:2003		Site Name	
Hornsey Gas Works		Soil Description	
Dark grey/brown silty sandy fill with aggregate & brick gravel sized particles		Specimen Test Age	
14 day		Specimen Depth	
m		Rate of Strain	
At failure		Axial Strain	
Unconfined Compressive Strength		Mode of Failure	
Brittle		Test Number	
1		Length	
99.7		Diameter	
103.9		Bulk Density	
1.93		Moisture Content	
%		Dry Density	
Mg/m ³		Rate of Strain	
%/min		At failure	
4.4		Axial Strain	
%		Unconfined Compressive Strength	
719		Mode of Failure	
kPa		Brittle	

Test Number
Length
Diameter
Bulk Density
Moisture Content
Dry Density

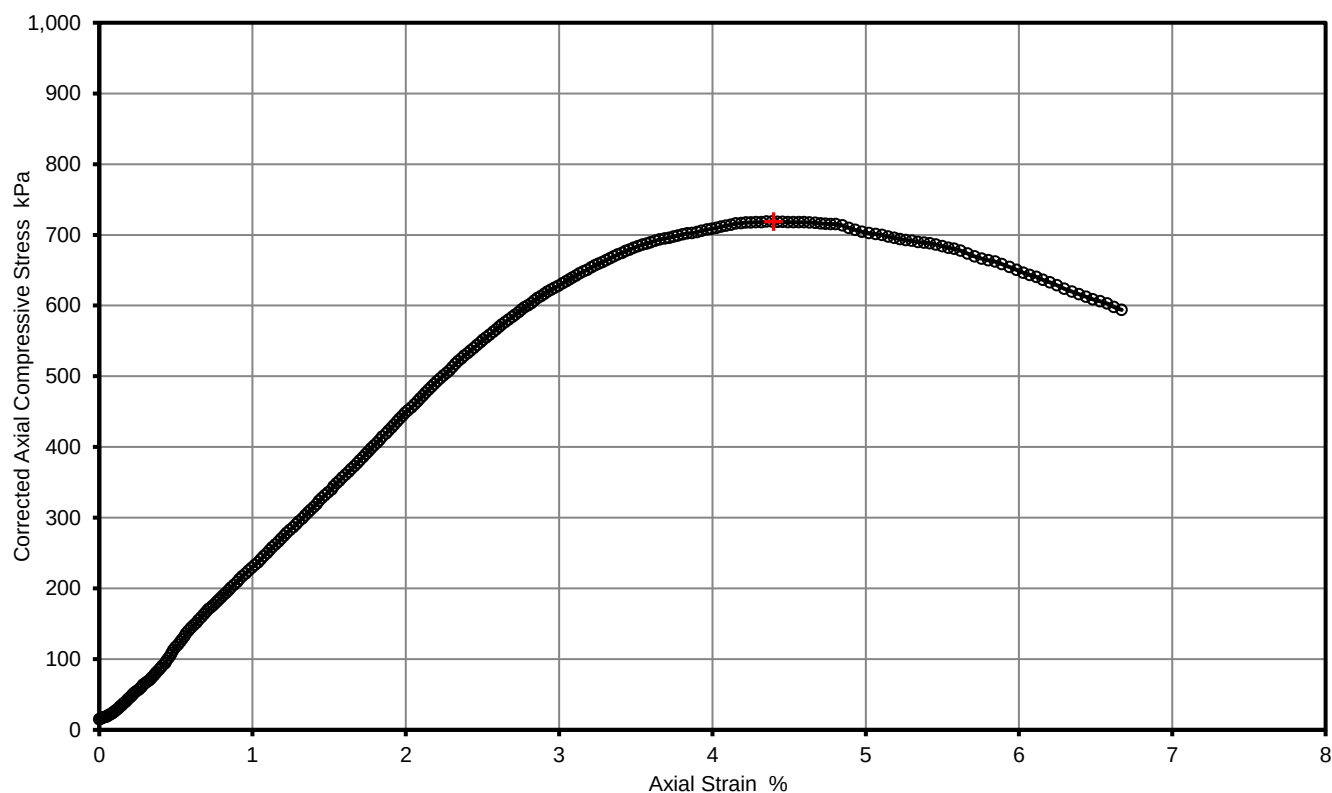
1	
99.7	mm
103.9	mm
1.93	Mg/m ³
	%
	Mg/m ³

Rate of Strain
At failure

Axial Strain
Unconfined Compressive Strength
Mode of Failure

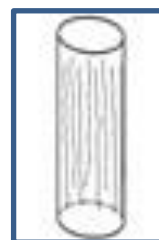
	%/min
4.4	%
719	kPa
Brittle	

Axial Compressive Stress v Axial Strain



Remarks

Axial compressive stress corrected for area change, and membrane effects (if used)



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General remarks

Approved

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25/09/2020