

DETERMINATION OF THE PLASTICITY INDEX OF SOIL

BS 1377-2: 2022 Clause 5.3 & 6 & BS EN ISO 17892-12: 2018 + A2: 2022 Fall Cone Method

REPORT NUMBER:	C5013327 / 369158.27.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	584557	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	Clay 7j stockpile bulk 3	SITE:	SGN Littlehampton Holder Station
DATE SAMPLED:	17/09/2025	SITE ADDRESS:	Harwood Road, BN17 7AU
SAMPLED BY:	Ben Kynoch	MATERIAL:	Brown slightly silty slightly sandy gravelly CLAY MEDIUM
DATE RECEIVED:	25/09/2025	SUPPLIER:	Eurogreen environment
DATE COMPLETED:	16/10/2025	SOURCE:	Eurogreen environment
TESTED BY:	Richelle Kiff	SAMPLE LOCATION:	Stockpile
TYPE OF SAMPLE:	Disturbed sample	SAMPLING PLAN:	CTS procedure TP41
LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A		
VISUAL DESCRIPTION:	Not required	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
		ENVIRONMENTAL CONDITIONS:	Overcast

RESULTS: Test Location: CTS Heathrow

Type of cone used: 80g/30°

Factor for one point test: 1.075

Penetration A 16.2mm, Water content A: 59.8%

Penetration B 16.2mm, Water content B: 59.7%

TEST DETAILS (One point method)	TEST RESULT	SPECIFICATION LIMITS	
		Lower Limit	Upper Limit
THE LIQUID LIMIT OF THE SAMPLE:	64%	N/A	N/A
THE PLASTIC LIMIT OF THE SAMPLE:	22%	N/A	N/A
THE PLASTICITY INDEX OF THE SAMPLE:	42%		
THE PERCENTAGE PASSING 425µm TEST SIEVE:	96%	Taken from PSD	
Initial water content determined :	15.7%		
Sample History:	The material was tested after washing through a 425µm test sieve		

Liquid limit correction value will be taken from BS 1377-2 : 2022, unless otherwise requested.

Remarks:

Test results reported relate only to the items tested.

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END OF REPORT

For and on behalf of CTS

Shah Alam - Acting Laboratory Manager



Approved Signatory

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