



Southern Drainage and Water Limited
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Basingstoke 01256 445200 Guildford 01483 676141 Yeovil 01935 714141

Percolation BRE 365 Test REPORT

Date of completion of work: 18th November 2025

Customer Name: Lewis G

Customer Address: 121 Nashgrove Lane, Finchampstead, RG40 4HG

Site Address: 121 Nashgrove Lane, Finchampstead, RG40 4HG

Job Status: Completed and Paid in Full

Test Undertaken by: Ryan Totlir, Director, Head Engineer

Engineers Report: BRE365 Percolation Test undertaken over 3 days using results from 3 separate tests, we attended site to find customer had excavated test pit already to size of proposed soakaway. We filled the water to full using bowser and waited for it to drain to ¼ full. This took around 5 hours so we did not need to re-fill the tank several times to saturate the soil any further before undertaking the 1st test. We timed the rate of percolation over 6 hours. On Day 2 we undertook the 2nd test without pre saturating the soil as this had been done 2 times the day before. We undertook the 3rd test on day 3 in the morning then took an average of the Vp results from all 3 tests which gave us the Percolation Rate. We **calculated a percolation rate of 22.62Vp** which will be suitable for a soakaway proposed for storm and surface water drainage requirements.

Weather Conditions: day1 Dry and Overcast, day2 Dry and Overcast

Site Pics



Test Results

Time (mins)	Depth (mm)	TEST 1
0	1600	→ FULL
15	1450	
30	1300	
45	1205	→ 3/4 Full @ 40 minutes
60	1100	
75	1055	
90	1000	= 310 minutes x 60
105	955	= 18,600 seconds
120	905	$18,600 / 800 = 23.25$
135	850	$= 23.25 \text{ Vp}$
150	820	
165	785	800mm Rate of Percolation
180	755	TEST
195	720	SECTION
210	695	START
225	665	@ 12:00pm 16/11/25
240	625	FINISH
255	590	6:00pm 16/11/25
270	565	
285	515	
300	485	R. TITTLE, director
315	455	
330	425	
345	4050	→ 1/4 Full @ 350 mins



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120 |

Time (min)	Depth (mm)	TEST 3
0	1600	→ Full
15	1500	
36	1390	
45	1270	→ 3/4 Full @ 49 minutes
60	1160	
75	1090	
90	1015	
105	930	= 283 minutes x 0.0
120	860	= 16,980 seconds
135	840	= 16,980 / 800 = VP
150	810	VP = 21.225
165	790	
180	760	
195	725	START 9:00 AM on 18/11/25
210	690	FINISH 14:00 PM on 18/11/25
225	660	
240	615	BY RYAN TOTTLE
255	585	
270	555	
285	505	
300	475	
315	440	
330	405	→ 1/4 Full @ 332 min
345	385	
360		

DIRECTOR,
HEAD
ENGINEER.