## SOIL INFILTRATION RATE IN ACCORDANCE WITH BRE DIGEST 365: 2007

Client: H Evason
Job Name: Dorrington Quarry

**Job No.:** 13208

Trial Pit No.	TP2
Test No.	2

Time	Elapsed	Depth t	Depth to water	
	Time	from ground level		
	(min)	(m)	(mm)	
	0	1.97	1970	
	2	1.99	1990	
	7	2.03	2030	
	11	2.06	2060	
	38	2.16	2160	
	71	2.25	2250	
	84	2.33	2330	

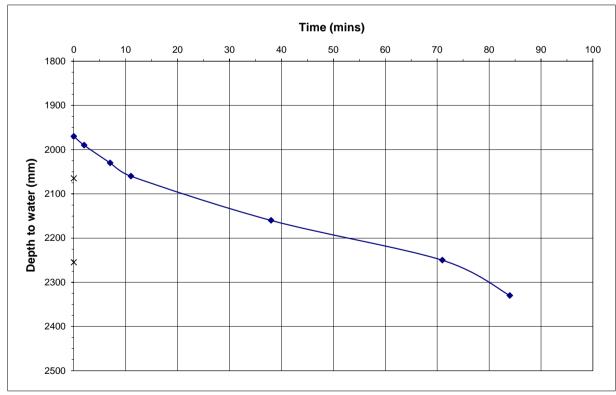
Soakaway Dimensions	(m)	(mm)
Length =	1.30	1300
Width =	0.60	600
Depth =	2.35	2350

	Effective depth (empty)		mm	m
ſ	75%	=	2255.0	2.26
ſ	50%	=	2160.0	2.16
ſ	25%	=	2065.0	2.07

Depth at start of test (mm)	=	1970
Depth at end of test (mm)	=	2330

Base area of pit	=	0.78
a <sub>p50</sub> - 50% internal surface area inc. base	=	1.502
<b>V<sub>p75-25</sub> -</b> Volume 75 - 25%	=	0.1482

Read from the graph:			
t <sub>p 75</sub> (min)	=	12	
t <sub>p 25</sub> (min)	=	72	



Soil infiltration rate, f, (m/s) = 9.81E-06 (Normal Test)

## SOIL INFILTRATION RATE IN ACCORDANCE WITH BRE DIGEST 365: 2007

Client: H Evason
Job Name: Dorrington Quarry

**Job No.:** 13208

Trial Pit No.	TP4
Test No.	4

Time	Elapsed	Depth to water	
	Time	from ground level	
	(min)	(m)	(mm)
	0	1.99	1990
	20	2.09	2090
	45	2.12	2120
	60	2.16	2160
	95	2.19	2190
	180	2.26	2260

Soakaway Dimensions	(m)	(mm)
Length =	1.30	1300
Width =	0.60	600
Depth =	2.35	2350

Effective dep	oth (empty)	mm	m
75%	=	2260.0	2.26
50%	=	2170.0	2.17
25%	=	2080.0	2.08

Depth at start of test (mm)	=	1990
Depth at end of test (mm)	=	2260

Base area of pit	=	0.78
a <sub>p50</sub> - 50% internal surface area inc. base	=	1.464
<b>V</b> <sub>p75-25</sub> - Volume 75 - 25%	=	0.1404

Read from the graph:			
t <sub>p 75</sub> (min)	=	17	
t <sub>p 25</sub> (min)	=	180	



Soil infiltration rate, f, (m/s) = 9.81E-06 (Normal Test)