

Job: Tyrone House, Norton - Test 1

Infiltration Calculator

$$f = \frac{Vp75-25}{ap50 \times tp75-25}$$

Vp 75-25 = Effective storage volume between 75% and 25% effective depth

ap50 = Internal surface area of the trial pit up to 50% effective depth and including the base area

tp75-25 = The time for the water level to fall from 75% to 25% effective depth

f = Infiltration rate

Trial pit width	=	0.3
Trial pit depth	=	0.5
Trial pit length	=	1

ap50 = 0.8 m/squared

tp75-25 = 6600 seconds

Vp 75-25 = 0.075 m/cubed

F = 1.42E-05

Job: Tyrone House, Norton - Test 2

Infiltration Calculator

$$f = \frac{Vp75-25}{ap50 \times tp75-25}$$

Vp 75-25 = Effective storage volume between 75% and 25% effective depth

ap50 = Internal surface area of the trial pit up to 50% effective depth and including the base area

tp75-25 = The time for the water level to fall from 75% to 25% effective depth

f = Infiltration rate

Trial pit width	=	0.3
Trial pit depth	=	0.5
Trial pit length	=	1

ap50 = 0.8 m/squared

tp75-25 = 8280 seconds

Vp 75-25 = 0.075 m/cubed

F = 1.13E-05

Job: Tyrone House, Norton - Test 3

Infiltration Calculator

$$f = \frac{Vp75-25}{ap50 \times tp75-25}$$

Vp 75-25 = Effective storage volume between 75% and 25% effective depth

ap50 = Internal surface area of the trial pit up to 50% effective depth and including the base area

tp75-25 = The time for the water level to fall from 75% to 25% effective depth

f = Infiltration rate

Trial pit width	=	0.3
Trial pit depth	=	0.5
Trial pit length	=	1

ap50 = 0.8 m/squared

tp75-25 = 9720 seconds

Vp 75-25 = 0.075 m/cubed

F =

9.65E-06
