

PERCOLATION TEST RESULTS

Full Application

PROJECT: Conversion of Barn to Dwelling
Barn at Dux, Bridgerule. EX22 6XZ

CLIENT: Mr Cole

DATE: 07 July 2021

Applicant Name: Mr Cole

Site Address: Barn at Dux, Bridgerule. EX22 6XZ

STAGE 1 – Calculation of the average time for the water to soakaway and calculation of the Vp

Time taken in seconds for the water level to drop from 75% full to 25% full (225mm to 75mm)	Trial Hole 1	Test 1 6195	Test 2 6230	Test 3 6265	Total Time 18690
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Time taken in seconds for the water level to drop from 75% full to 25% full (225mm to 75mm)	Trial Hole 2	Test 1 6070	Test 2 6185	Test 3 6170	Total Time 18425
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Time taken in seconds for the water level to drop from 75% full to 25% full (225mm to 75mm)	Trial Hole 3	Test 1 6240	Test 2 6205	Test 3 6255	Total Time 18700
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					55815
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Total time (seconds)		Average time			
55815	÷	9	=	6202	÷ 150 = 41 Vp

STAGE 2 - Calculation of the area of the drainage trench required (M2)

Potential number of occupants*		Percolation test result (Vp)			
5	X	41	=	205	X 0.25 = 51 m ²

*A single dwelling up to three bedrooms is considered to have 5 occupants. One extra person is added for each bedroom over three.