10.02.2025

Project Name Fairfield Cottages, Cowfold

MCA BUILDING SERVICES CONSULTING ENGINEERS

Water Calculator Based on Project Specification & Governments Water Efficiency Calculator for New Dwellings

Flow rates and capacity of sanitaryware fittings have been selected in accordance with MH Architect's Water Neutrality Statement

Description	Unit of Measure	Use Factor	Fixed Use l/p/day	Litres per Person/day
WC Full Flush	4.00 litres	1.46	0.00	5.84
WC Part Flush	2.60 litres	2.96	0.00	7.70
Basin	2.00 l/min	1.58	1.58	4.74
Bath (Shower Also Present)	135.00 litres	0.11	0.00	14.85
Shower (Bath Also Present)	6.00 l/min	4.37	0.00	26.22
Sink	3.00 l/min	0.44	10.36	11.68
Dishwasher	1.25 l/place setting	3.60	0.00	4.50
Washing Machine	8.17 l/kg load	2.10	0.00	17.16
		Total calculated use		92.68
		Normalisation factor		0.91
		Internal use		84.34
		Outdoor use		5.0
		Total Calculated Use		89.3

Therefore, considering all the approaches to reduce the final water consumption, the Proposed Development addresses the Horsham DC Planning Policy requirements for reducing water use to <100 l/p/d and the target of <85l/p/d (excluding external water use) requirements set out by Natural England and has then identified the required additional off-site water offset needed to satisfy the Natural England requirement to be technically 'Water Neutral'.