

EA Sizing Guide for Trickle Vents

Meeting the Building Regulations

NEW BUILD

Scheme	Room type	Dwelling type	EA specification per room				
			England	Wales	Scotland	N.I.	Eire
Scheme 1: Natural ventilation with trickle vents and intermittent extract	Habitable room	multi-floor	8,000	8,000	12,000	5,000	7,000
		single storey	10,000	10,000	12,000	5,000	7,000
	Kitchen	multi-floor	8,000	8,000	10,000	2,500	3,500
		single storey	10,000	10,000	10,000	2,500	3,500
	Utility room	multi-floor	0	0	10,000	2,500	3,500
		single storey	0	0	10,000	2,500	3,500
	Bathroom	multi-floor	4,000	4,000	10,000	2,500	3,500
		single storey	4,000	4,000	10,000	2,500	3,500
	Thru-ventilation (extensions)	all	10,000	10,000	n/a	8,000	8,000
	Home extension - habitable room	all	10,000 or 12,000	10,000	12,000	8,000	7,000
Scheme 3: Continuous mechanical extract	Home extension - conservatory	all	10,000	10,000	12,000	8,000	7,000
	Home extension - wet room	all	5,000	4,000	10,000	2,500	3,500
	Habitable room	all	4,000	4,000	4,000	2,500	7,000
	Wet room	all	n/a	n/a	n/a	2,500	3,500
	Thru-ventilation (extensions)	all	10,000	10,000	n/a	8,000	8,000
	Home extension - habitable room	all	10,000 or 12,000	10,000	12,000	8,000	7,000
	Home extension - conservatory	all	10,000	10,000	12,000	8,000	7,000
	Home extension - wet room	all	n/a	n/a	n/a	2,500	3,500

NOTE: In all cases, regard these numbers as minimums - various regs call for uplifts in certain circumstances.

REPLACEMENT WINDOWS

Scheme	Room type	Dwelling type	EA specification per room				
			England	Wales	Scotland	N.I.	Eire
Scheme 1: Natural ventilation with trickle vents and intermittent extract	Habitable room	all	8,000	8,000	12,000	5,000	7,000
	Kitchen	all	8,000	8,000	10,000	2,500	3,500
	Utility room	all	0	0	10,000	2,500	3,500
	Bathroom	all	4,000	4,000	10,000	2,500	3,500
Scheme 3: Continuous mechanical extract	Habitable room	all	4,000	4,000	4,000	2,500	7,000
	Wet room	all	n/a	n/a	n/a	2,500	3,500

NOTE: Most national regs specify that replacement vents should at least match the EA of the original windows, with the above EA values only being used if: (a) the original EA values are unknown, or (b) there were no vents fitted to the original windows.