

## Flow capacities

Maximum flow capacity of Halifax pipes running 1/4 full in a vertical installation and running full at various gradients (litres/second).

Flow Capacities					
Size	Vertical	1:40	1:60	1:80	1:100
50	1.2	1.46	1.19	1.03	0.92
70	2.7	4.29	3.5	3.03	2.71
100	7.2	9.24	7.55	6.54	5.55
150	21.7	27.3	22.3	19.3	17.2
200	43.7	58.7	47.9	41.5	37.1
250	79.3	106	86.9	75.2	76.3
300	129	173	141	122	109

It is recommended that 100mm pipes have a minimum fall of 1:40 and 150mm pipes have minimum fall of 1:60.

## Below ground drain system

### Pipes

**External:** Two part epoxy grey coating with an average dry thickness of 170 microns

**Internal:** Two part epoxy coating (yellow ochre) with average dry thickness of 130 microns.

### Fittings

Two part epoxy grey coating with an average thickness of 150 microns.

## Weights and masses

European Standard BS EN 877 states that the nominal masses of finished products shall be given in the manufacturers catalogues when measured in accordance with the table below.

The masses of the finished products shall be checked by weighing to an accuracy of within:

Weights and Masses	
0.01kg	for masses up to 1kg
0.1kg	for masses greater than 1kg up to 20kg
0.5kg	for masses greater than 20kg up to 100kg
1.0kg	for masses greater than 100kg

## Pipe Weights and Dimensional Tolerances

Nominal Bore mm	Outside		Weight kg/m	
	Dia. mm	Tolerance	Empty	Full
100mm	110	+2 /-1	9.8	19.1
150mm	160	+2 /-2	15.0	33.2
200mm	210	+2 /-2	23.7	55.2
250mm	274	+2.5 /-2.5	33.3	87.7
300mm	326	+2.5 /-2.5	43.2	120.8