

## Waste management in buildings – Code of practice BS 5906:2005

Table 1 Typical weekly waste arisings and subsequent storage requirements

Building	Equation for weekly waste arising (litres)	Typical example of the size of concern	Weekly waste arising (litres)	80litre bin/bag/box equivalent	120 litre bin equivalent	240 litre bin equivalent	660 litre bin equivalent	720 litre bin equivalent	1100 litre bin equivalent	7.6m compactor equivalent (3:1 ration)
<b>Domestic</b>	number of dwellings x {(number arising per bedroom (70l) x average number of bedrooms) +30}* number of dwellings =1, number of bedrooms =3	number of dwellings =1, number of bedrooms =3	240	3	2	1	0.36	0.33	0.22	0.01
<b>Office</b>	volume rising per employee (50l) x number of employees	number of employees = 40	2,000	25	16.67	8.33	3.03	2.78	1.82	0.09
<b>Shopping centre</b>	volume arising per m2 of sale area (10l) x square meterage	sales area = 25m <sup>2</sup>	250,000	3125	2083.3	1041.7	378.8	247.22	227.3	11.11
<b>Fast food outlet</b>	volume per sale (5l) x number of sales	number of sales = 45,000	225,000	2812.5	1875	937.5	340.9	312.5	204.6	10
<b>Department store</b>	volume per m2 of sales area (10l) x sales area	sales area 3,700m <sup>2</sup>	37,000	462.5	308.3	154.2	56.1	51.4	33.6	1.64
<b>Restaurant</b>	number per volume of covers (75l)	number of covers (i.e. dining space) = 8	600	7.5	5	2.5	0.91	0.83	0.55	0.03
<b>4/5 star hotel</b>	volume per bedroom (350l) x number of bedrooms	number of bedrooms = 370	129,500	1618.8	1079.2	539.6	196.2	179.9	117.7	5.76
<b>2/3 star hotel</b>	volume per bedroom (250l) x number of bedrooms	number of bedrooms = 100	25,000	312.5	208.3	104.2	37.9	34.7	22.7	1.11
<b>1 star hotel/B&amp;B</b>	volume per bedroom (150l) x number of bedrooms	number of bedrooms = 5	750	9.38	6.25	3.13	1.14	1.04	0.68	0.03
<b>Supermarket (small)</b>	volume per m2 of sales area (100l) x sales area	sales area 800m <sup>2</sup>	8,000	100	66.7	33.3	12.1	11.1	7.3	0.36
<b>Supermarket (large)</b>	volume per m2 of sales area (150l) x sales area	sales area 2,000m <sup>2</sup>	30,000	375	250	125	45.4	41.7	27.3	1.33
<b>Industrial Unit</b>	volume per m2 of floor area (5l) x floor area	sales area 2,000m <sup>2</sup>	10,000	1.25	83.3	41.7	15.1	13.9	9.1	0.44
<b>Entertainment complex/leisure centre</b>	volume per m2 of floor area (100l) x floor area	sales area 3,500m <sup>2</sup>	17,500	218.8	145.8	72.9	26.5	24.3	15.9	0.78
* Based on average household occupancy										

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