



OLD SCHOOL HOUSE CLONSILLA WASTE CALCULATION - PLANNING SHD

JANUARY 2021

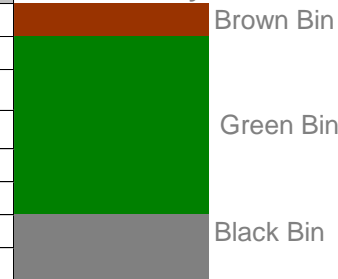
BLOCK A

Total Units	1 bed	2 bed	3 bed	Total population	Waste kg/day
22	16	5	1	56	62.944

Enter number Enter number Enter number

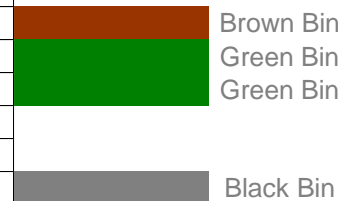
Waste Type	Waste %	Waste kg/day	m ³ /day	m ³ /week
Organic Waste	34.50	21.72	0.036752	0.26
Cardboard	5.60	3.52	0.015746	0.11
Paper	16.80	10.57	0.049487	0.35
Plastic	11.30	7.11	0.177704	1.24
Glass	5.00	3.15	0.004499	0.03
Metals	3.60	2.27	0.024752	0.17
Textiles	4.10	2.58	0.024749	0.17
Other	19.10	12.02	0.044993	0.31
Total	100	62.944	0.378683	2.65

3 Bin System



Waste Type	Waste Volume	Bins required	Collection
	m ³ /week	1,100L	Other
Organic Waste	0.26	0.28	Weekly
Cardboard/Paper	0.46	0.46	Weekly
Plastic	1.24	1.71	Weekly
Glass	0.03		Bottle Bank As required
Metals	0.17		Bottle Bank As required
Mixed Municipal Waste	0.49	0.27	Weekly
Total	2.65	5	

3 Bin System



Note:

1 bed assumes 2 occupants
 2 bed assumes 4 occupants
 3 bed assumes 4 occupants
 1.124 kg/day/per occupant (EPA)

Waste quantities and types have been modelled for the proposed development using a waste generation Model. The Model incorporates building use and population density figures for each residential building, and combines these with Irish EPA Waste Generation Rates, to predict waste types, weights, and volumes. This information can then be used to calculate the number and of 1,100L bins required for each building.

Note:

1,100 litre Eurobins will be used in a Central Waste Storage Area (CWSA), and will be colour-coded and labelled to avoid cross contamination:

- Dry Recyclables  Green Bin (or Blue)
- Organic Waste  Brown Bin
- Municipal waste  Black Bin

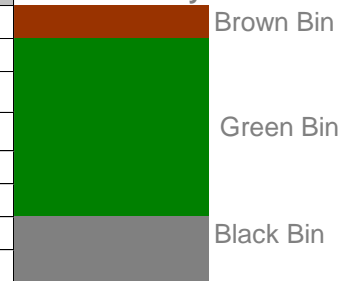
BLOCK B

Total Units	1 bed	2 bed	3 bed	Total population	Waste kg/day
21	11	6	4	62	69.688

Enter number Enter number Enter number

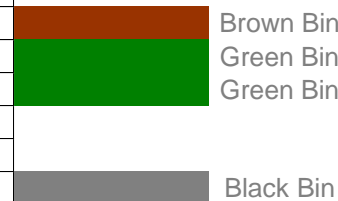
Waste Type	Waste %	Waste kg/day	m ³ /day	m ³ /week
Organic Waste	34.50	24.04	0.040689	0.28
Cardboard	5.60	3.90	0.017433	0.12
Paper	16.80	11.71	0.054789	0.38
Plastic	11.30	7.87	0.196743	1.38
Glass	5.00	3.48	0.004981	0.03
Metals	3.60	2.51	0.027405	0.19
Textiles	4.10	2.86	0.027401	0.19
Other	19.10	13.31	0.049814	0.35
Total	100	69.688	0.419256	2.93

3 Bin System



Waste Type	Waste Volume	Bins required	Collection
	m ³ /week	1,100L	Other
Organic Waste	0.28	0.31	Weekly
Cardboard/Paper	0.51	0.51	Weekly
Plastic	1.38	1.89	Weekly
Glass	0.03		Bottle Bank As required
Metals	0.19		Bottle Bank As required
Mixed Municipal Waste	0.54	0.30	Weekly
Total	2.93	5	

3 Bin System



Note:

1 bed assumes 2 occupants
 2 bed assumes 4 occupants
 3 bed assumes 4 occupants
 1.124 kg/day/per occupant (EPA)

Waste quantities and types have been modelled for the proposed development using a waste generation Model. The Model incorporates building use and population density figures for each residential building, and combines these with Irish EPA Waste Generation Rates, to predict waste types, weights, and volumes. This information can then be used to calculate the number and of 1,110L bins required for each building.

Note:

1,100 litre Eurobins will be used in a Central Waste Storage Area (CWSA), and will be colour-coded and labelled to avoid cross contamination:

- Dry Recyclables  Green Bin (or Blue)
- Organic Waste  Brown Bin
- Municipal waste  Black Bin

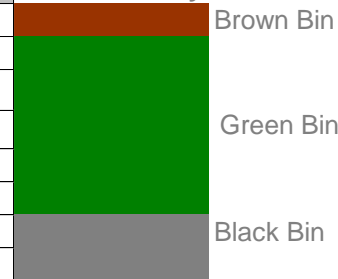
BLOCK C

Total Units	1 bed	2 bed	3 bed	Total population	Waste kg/day
25	13	8	4	74	83.176

Enter number Enter number Enter number

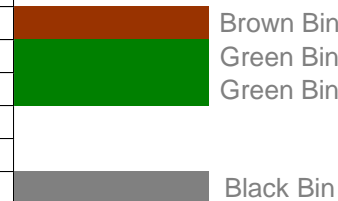
Waste Type	Waste %	Waste kg/day	m ³ /day	m ³ /week
Organic Waste	34.50	28.70	0.048565	0.34
Cardboard	5.60	4.66	0.020807	0.15
Paper	16.80	13.97	0.065394	0.46
Plastic	11.30	9.40	0.234823	1.64
Glass	5.00	4.16	0.005945	0.04
Metals	3.60	2.99	0.032709	0.23
Textiles	4.10	3.41	0.032705	0.23
Other	19.10	15.89	0.059456	0.42
Total	100	83.176	0.500402	3.50

3 Bin System



Waste Type	Waste Volume	Bins required	Collection
	m ³ /week	1,100L	Other
Organic Waste	0.34	0.37	Weekly
Cardboard/Paper	0.60	0.60	Weekly
Plastic	1.64	2.26	Weekly
Glass	0.04		Bottle Bank As required
Metals	0.23		Bottle Bank As required
Mixed Municipal Waste	0.65	0.35	Weekly
Total	3.50	6	

3 Bin System



Note:

1 bed assumes 2 occupants
 2 bed assumes 4 occupants
 3 bed assumes 4 occupants
 1.124 kg/day/per occupant (EPA)

Waste quantities and types have been modelled for the proposed development using a waste generation Model. The Model incorporates building use and population density figures for each residential building, and combines these with Irish EPA Waste Generation Rates, to predict waste types, weights, and volumes.

This information can then be used to calculate the number and of 1,110L bins required for each building.

Note:

1,100 litre Eurobins will be used in a Central Waste Storage Area (CWSA), and will be colour-coded and labelled to avoid cross contamination:

-  Dry Recyclables Green Bin (or Blue)
-  Organic Waste Brown Bin
-  Municipal waste Black Bin

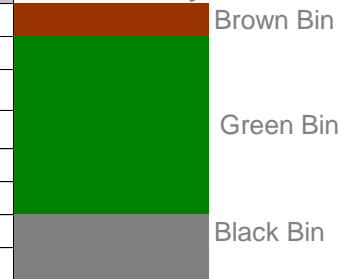
BLOCK D

Total Units	1 bed	2 bed	3 bed	Total population	Waste kg/day
29	13	10	6	90	101.16

Enter number Enter number Enter number

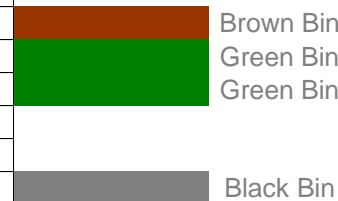
Waste Type	Waste %	Waste kg/day	m ³ /day	m ³ /week
Organic Waste	34.50	34.90	0.059065	0.41
Cardboard	5.60	5.66	0.025306	0.18
Paper	16.80	16.99	0.079533	0.56
Plastic	11.30	11.43	0.285595	2.00
Glass	5.00	5.06	0.007230	0.05
Metals	3.60	3.64	0.039781	0.28
Textiles	4.10	4.15	0.039776	0.28
Other	19.10	19.32	0.072311	0.51
Total	100	101.160	0.608597	4.26

3 Bin System



Waste Type	Waste Volume	Bins required	Collection
	m ³ /week	1,100L	Other
Organic Waste	0.41	0.45	Weekly
Cardboard/Paper	0.73	0.73	Weekly
Plastic	2.00	2.75	Weekly
Glass	0.05		Bottle Bank As required
Metals	0.28		Bottle Bank As required
Mixed Municipal Waste	0.78	0.43	Weekly
Total	4.26	6	

3 Bin System



Note:

1 bed assumes 2 occupants
 2 bed assumes 4 occupants
 3 bed assumes 4 occupants
 1.124 kg/day/per occupant (EPA)

Waste quantities and types have been modelled for the proposed development using a waste generation Model. The Model incorporates building use and population density figures for each residential building, and combines these with Irish EPA Waste Generation Rates, to predict waste types, weights, and volumes.

This information can then be used to calculate the number and of 1,100L bins required for each building.

Note:

1,100 litre Eurobins will be used in a Central Waste Storage Area (CWSA), and will be colour-coded and labelled to avoid cross contamination:

-  Dry Recyclables Green Bin (or Blue)
-  Organic Waste Brown Bin
-  Municipal waste Black Bin

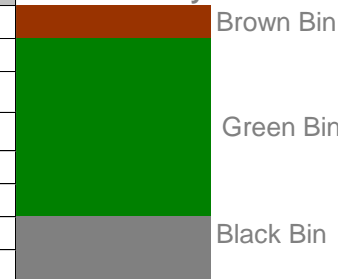
BLOCK E

Total Units	1 bed	2 bed	3 bed	Total population	Waste kg/day
35	25	10	0	90	101.16

Enter number Enter number Enter number

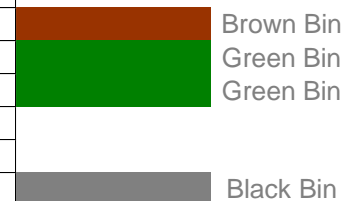
Waste Type	Waste %	Waste kg/day	m ³ /day	m ³ /week
Organic Waste	34.50	34.90	0.059065	0.41
Cardboard	5.60	5.66	0.025306	0.18
Paper	16.80	16.99	0.079533	0.56
Plastic	11.30	11.43	0.285595	2.00
Glass	5.00	5.06	0.007230	0.05
Metals	3.60	3.64	0.039781	0.28
Textiles	4.10	4.15	0.039776	0.28
Other	19.10	19.32	0.072311	0.51
Total	100	101.160	0.608597	4.26

3 Bin System



Waste Type	Waste Volume	Bins required	Collection
	m ³ /week	1,100L	Other
Organic Waste	0.41	0.45	Weekly
Cardboard/Paper	0.73	0.73	Weekly
Plastic	2.00	2.75	Weekly
Glass	0.05		Bottle Bank As required
Metals	0.28		Bottle Bank As required
Mixed Municipal Waste	0.78	0.43	Weekly
Total	4.26	6	

3 Bin System



Note:

1 bed assumes 2 occupants
 2 bed assumes 4 occupants
 3 bed assumes 4 occupants
 1.124 kg/day/per occupant (EPA)

Waste quantities and types have been modelled for the proposed development using a waste generation Model. The Model incorporates building use and population density figures for each residential building, and combines these with Irish EPA Waste Generation Rates, to predict waste types, weights, and volumes.

This information can then be used to calculate the number and of 1,100L bins required for each building.

Note:

1,100 litre Eurobins will be used in a Central Waste Storage Area (CWSA), and will be colour-coded and labelled to avoid cross contamination:

-  Dry Recyclables Green Bin (or Blue)
-  Organic Waste Brown Bin
-  Municipal waste Black Bin

Project: 18-105, Planning Permission Submission
Building no: Old School House - Clonsilla
Issued by: Ellen Ballard
Date: 21/01/2021
Revision: A

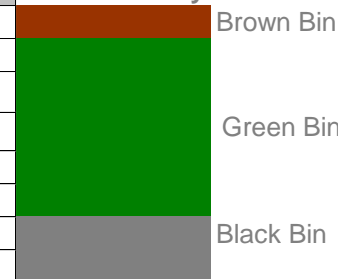
BLOCK F

Total Units	1 bed	2 bed	3 bed	Total population	Waste kg/day
30	21	8	1	78	87.672

Enter number Enter number Enter number

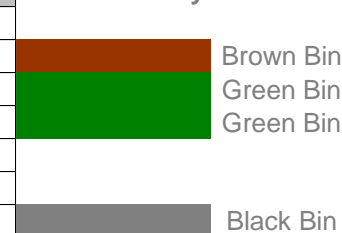
Waste Type	Waste %	Waste kg/day	m ³ /day	m ³ /week
Organic Waste	34.50	30.25	0.051190	0.36
Cardboard	5.60	4.91	0.021932	0.15
Paper	16.80	14.73	0.068928	0.48
Plastic	11.30	9.91	0.247516	1.73
Glass	5.00	4.38	0.006266	0.04
Metals	3.60	3.16	0.034477	0.24
Textiles	4.10	3.59	0.034472	0.24
Other	19.10	16.75	0.062669	0.44
Total	100	87.672	0.527451	3.69

3 Bin System



Waste Type	Waste Volume	Bins required	Collection
	m ³ /week	1,100L	Other
Organic Waste	0.36	0.39	Weekly
Cardboard/Paper	0.64	0.64	Weekly
Plastic	1.73	2.38	Weekly
Glass	0.04		Bottle Bank As required
Metals	0.24		Bottle Bank As required
Mixed Municipal Waste	0.68	0.37	Weekly
Total	3.69	6	

3 Bin System



Note:

1 bed assumes 2 occupants
2 bed assumes 4 occupants
3 bed assumes 4 occupants
1.124 kg/day/per occupant (EPA)

Waste quantities and types have been modelled for the proposed development using a waste generation Model. The Model incorporates building use and population density figures for each residential building, and combines these with Irish EPA Waste Generation Rates, to predict waste types, weights, and volumes.

This information can then be used to calculate the number and of 1,110L bins required for each building.

Note:

1,100 litre Eurobins will be used in a Central Waste Storage Area (CWSA), and will be colour-coded and labelled to avoid cross contamination:

-  Dry Recyclables Green Bin (or Blue)
-  Organic Waste Brown Bin
-  Municipal waste Black Bin

Project: 18-105, Planning Permission Submission
Building no: Old School House - Clonsilla
Issued by: Ellen Ballard
Date: 21/01/2021
Revision: A

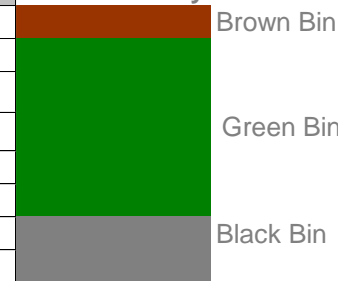
BLOCK G

Total Units	1 bed	2 bed	3 bed	Total population	Waste kg/day
12	3	9	0	42	47.208

Enter number Enter number Enter number

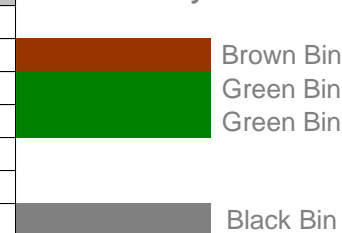
Waste Type	Waste %	Waste kg/day	m ³ /day	m ³ /week
Organic Waste	34.50	16.29	0.027564	0.19
Cardboard	5.60	2.64	0.011809	0.08
Paper	16.80	7.93	0.037115	0.26
Plastic	11.30	5.33	0.133278	0.93
Glass	5.00	2.36	0.003374	0.02
Metals	3.60	1.70	0.018564	0.13
Textiles	4.10	1.94	0.018562	0.13
Other	19.10	9.02	0.033745	0.24
Total	100	47.208	0.284012	1.99

3 Bin System



Waste Type	Waste Volume	Bins required	Collection
	m ³ /week	1,100L	Other
Organic Waste	0.19	0.21	Weekly
Cardboard/Paper	0.34	0.34	Weekly
Plastic	0.93	1.28	Weekly
Glass	0.02		Bottle Bank As required
Metals	0.13		Bottle Bank As required
Mixed Municipal Waste	0.37	0.20	Weekly
Total	1.99	5	

3 Bin System



Note:

1 bed assumes 2 occupants
 2 bed assumes 4 occupants
 3 bed assumes 4 occupants
 1.124 kg/day/per occupant (EPA)

Waste quantities and types have been modelled for the proposed development using a waste generation Model. The Model incorporates building use and population density figures for each residential building, and combines these with Irish EPA Waste Generation Rates, to predict waste types, weights, and volumes.

This information can then be used to calculate the number and of 1,110L bins required for each building.

Note:

1,100 litre Eurobins will be used in a Central Waste Storage Area (CWSA), and will be colour-coded and labelled to avoid cross contamination:

- Dry Recyclables  Green Bin (or Blue)
- Organic Waste  Brown Bin
- Municipal waste  Black Bin

Project: 18-105, Planning Permission Submission
Building no: Old School House - Clonsilla
Issued by: Ellen Ballard
Date: 21/01/2021
Revision: A

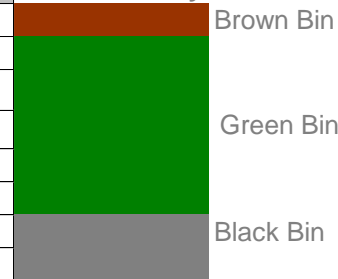
BLOCK H

Total Units	1 bed	2 bed	3 bed	Total population	Waste kg/day
18	10	4	4	52	58.448

Enter number Enter number Enter number

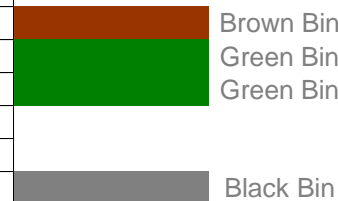
Waste Type	Waste %	Waste kg/day	m ³ /day	m ³ /week
Organic Waste	34.50	20.16	0.034127	0.24
Cardboard	5.60	3.27	0.014621	0.10
Paper	16.80	9.82	0.045952	0.32
Plastic	11.30	6.60	0.165011	1.16
Glass	5.00	2.92	0.004178	0.03
Metals	3.60	2.10	0.022984	0.16
Textiles	4.10	2.40	0.022982	0.16
Other	19.10	11.16	0.041780	0.29
Total	100	58.448	0.351634	2.46

3 Bin System



Waste Type	Waste Volume	Bins required	Collection
	m ³ /week	1,100L	Other
Organic Waste	0.24	0.26	Weekly
Cardboard/Paper	0.42	0.42	Weekly
Plastic	1.16	1.59	Weekly
Glass	0.03		Bottle Bank As required
Metals	0.16		Bottle Bank As required
Mixed Municipal Waste	0.45	0.25	Weekly
Total	2.46	5	

3 Bin System



Note:

1 bed assumes 2 occupants
 2 bed assumes 4 occupants
 3 bed assumes 4 occupants
 1.124 kg/day/per occupant (EPA)

Waste quantities and types have been modelled for the proposed development using a waste generation Model. The Model incorporates building use and population density figures for each residential building, and combines these with Irish EPA Waste Generation Rates, to predict waste types, weights, and volumes. This information can then be used to calculate the number and of 1,100L bins required for each building.

Note:

1,100 litre Eurobins will be used in a Central Waste Storage Area (CWSA), and will be colour-coded and labelled to avoid cross contamination:

- Dry Recyclables  Green Bin (or Blue)
- Organic Waste  Brown Bin
- Municipal waste  Black Bin