

Housing and apartment developments in Belfast: supplementary guidance on waste storage

You should use this document along with the *Local Government Waste Storage Guide for Northern Ireland*. It will give you information on the specific waste storage needs for new houses and apartments in Belfast. It does not replace any legislation or remove the need for developers to consult with our Planning or Building Control Services to ensure compliance with relevant policy and legislation. You should still refer to the Local Government guide for the wider design considerations, including location and access.

1. Waste collection schemes operating in Belfast

We operate two main household waste collection schemes in Belfast. One scheme serves 90,000 homes making up the 'outer' ring of the city; the other serves the 55,000 homes comprising the 'inner' core of the city. Contact us on 0800 032 8100 to confirm whether your new development is located in the 'outer' or 'inner' city area.

2. Designing individual waste storage areas for dwellings (houses or apartments)

Type of waste	'Outer' city dwellings		'Inner' city dwellings	
	Type of container	Frequency of collection	Type of container	Frequency of collection
General waste	1 x 180litre wheeled bin (black)	Fortnightly	1 x 180litre wheeled bin (black)	Fortnightly
Dry recycling	1 x 240litre wheeled bin (blue)	Fortnightly	2 x 55litre boxes (stackable)	Weekly
Organic waste	1 x 240litre wheeled bin (brown)	Fortnightly	1 x 23litre caddy	Weekly
Storage space to be allocated per dwelling	1.8m x 1.2m (as per para 2.3 (b) of Technical Booklet J – Building Regulations (NI) 2012)		1.8m x 1.2m (as per para 2.3 (b) of Technical Booklet J – Building Regulations (NI) 2012)	

3. Designing communal waste storage areas for dwellings (houses or apartments)

i. Use Table 1 on page 13 of the Local Government guide to estimate the total waste which will be generated from the development each week.

ii. Break down the total weekly waste estimate into the various proportions set out in Table 2.

General waste	35%
Dry recycling	55%
Organic waste	10%

¹ This guidance and the space to be allocated applies to typical dwellings comprising up to 3 bedrooms; dwellings with more than 3 bedrooms may require additional space. Contact Planning Service or Building Control for additional guidance.

² This breakdown relates to Paragraph 1.3.1 of the Local Government guide.

iii. Establish the capacity needed for each type of waste and identify the appropriate types and quantities of containers

Use the collection frequency information in Table 3 to establish how much of each type of waste needs to be accommodated: the development will need capacity to hold one or two weeks waste, depending on whether that waste is collected weekly or fortnightly.

Use the container information in Table 3 to select the types and quantities of containers you will use to accommodate the three types of waste.

Table 3: Waste collection arrangements for dwellings with communal waste storage areas				
Type of waste	'Outer' city dwellings		'Inner' city dwellings	
	Frequency of collection	Types of container	Frequency of collection	Types of container
General waste	Fortnightly	Communal 180litre, 660litre and 1100litre wheeled general waste bins are acceptable	Fortnightly	Communal 180litre, 660litre and 1100litre wheeled general waste bins are acceptable
Dry recycling	Fortnightly	Individual 240litre wheeled bins (blue) are strongly preferred, to help maximise recycling and minimise the levels of contamination Communal 240litre, 660litre and 1100litre wheeled bins are acceptable	Weekly	Individual sets of 2 x 55litre boxes (stackable) are preferred where practical, to help maximise recycling and minimise the levels of contamination 10-box stand (550litre) + 240litre bin (blue) 'systems' (total 790 litres per system) are acceptable (see photo on page 50 of the Local Government Guide) For <i>covered</i> storage areas, 15-box stand (825litre) + 2 x 240litre bin (blue) 'systems' (total 1305 litres per system) are acceptable (this stand consists of 3 tiers holding 5 boxes each, and does not have lids)
Organic waste	Fortnightly	Communal 140litre wheeled bins (brown) are acceptable	Weekly	Communal 140litre wheeled bins (brown) are acceptable
Total space to be allocated	See Chapter 4 of the Local Government Guide		See Chapter 4 of the Local Government Guide The footprint for a 10-box or 15-box stand is 92" x 22" (234cm x 56cm).	

4. Example

For an apartment building containing 60 units, made up of 20 x 1-bed apartments, 20 x 2-bed apartments and 20 x 3-bed apartments:

The waste generated per week is calculated as follows (using Table 1 on p.13 of the Local Government Guide):

<i>1-bed apartments</i>	$20 \times (70 + 30) =$	2,000 litres
<i>2-bed apartments</i>	$20 \times (140 + 30) =$	3,400 litres
<i>3-bed apartments</i>	$20 \times (210 + 30) =$	4,800 litres
Total capacity needed		10,200 litres

Use the information provided in Table 2 of this supplementary guidance to work out how much of each type of waste is generated each week. Use Table 3 to establish whether capacity is needed for one week's waste or two weeks' waste, and how many bins are needed.

Table 4 shows how the information is applied for an outer city development, and Table 5 shows the workings for an inner city development (note that the left half of each table is the same).

Total weekly waste (using Table 1 on p13 of the Local Government Guide)	Type of waste	Weekly breakdown (using Table 2 of this supplementary guidance)		Capacity needed (using Table 3 of this supplementary guidance)		Containers needed (example solution, using Table 3 of this supplementary guidance)
		Percentage	Volume (litres)	Frequency	Volume (litres)	
$(20 \times (70 + 30))$ $+ (20 \times (140 + 30))$ $+ (20 \times (210 + 30))$ = 10,200 litres	General waste	35%	3,570 litres	2 weeks (for fortnightly collections)	7,140 litres	7 x 1100litre general waste eurobins
	Dry recycling	55%	5,610 litres	2 weeks (for fortnightly collections)	11,220 litres	11 x 1100litre recycling eurobins
	Organic waste	10%	1,020 litres	2 weeks (for fortnightly collections)	2,040 litres	15 x 140litre wheeled bins (brown)
The associated space and access requirements are set out in Chapter 4 of the Local Government Guide.						

Total weekly waste (using Table 1 on p13 of the Local Government Guide)	Type of waste	Weekly breakdown (using Table 2 of this supplementary guidance)		Capacity needed (using Table 3 of this supplementary guidance)		Containers needed (example solution, using Table 3 of this supplementary guidance)
		Percentage	Volume (litres)	Frequency	Volume (litres)	
$(20 \times (70 + 30))$ $+ (20 \times (140 + 30))$ $+ (20 \times (210 + 30))$ = 10,200 litres	General waste	35%	3,570 litres	2 weeks (for fortnightly collections)	7,140 litres	7 x 1100litre general waste eurobins
	Dry recycling	55%	5,610 litres	1 week (for weekly collections)	5,610 litres	8 x 10-box stands + 8 x 240litre wheeled bins (blue)
	Organic waste	10%	1,020 litres	1 week (for weekly collections)	1,020 litres	8 x 140litre wheeled bins (brown)
The footprint for a 10-box or 15-box stand is 92" x 22" (234cm x 56cm). All other associated space and access requirements are set out in Chapter 4 of the Local Government Guide.						

5. Apartment management measures

We are committed to maximising recycling in the city, to protect the environment, comply with legislation and minimise costs. Maximising recycling and minimising contamination is more difficult in developments with communal bins. Therefore, we expect apartment developers to implement the following measures to make sure that recycling is optimised:

1. Manage waste storage areas so that there is always enough space available for residual waste, dry recycling and food waste, and that this is accessible at all times.
2. Provide information and signage for tenants about the waste management arrangements and which items should be placed in which bin.
3. Co-operate with us to promote recycling among residents.
4. Make sure tenants comply with waste and recycling arrangements as a condition of their tenancy agreement.

6. Useful contacts

Query	Contact
For more help applying the guidance	Planning Service 0300 200 7830 Building Control Service 028 9027 0650
To find out whether a new development is in the outer city or inner city area	Waste Management Call Centre 0800 032 8100
To order bins, boxes or food waste caddies	
To get a letter confirming the collection system for a development	
For queries or issues about dry recycling collections in the inner city	
For queries or issues about organic waste collections in the inner city	
For queries or issues about general waste collections in the inner or outer city	Cleansing Services Call Centre 028 9027 0230
For queries or issues about dry recycling collections in the outer city	
For queries or issues about organic waste collections in the outer city	