



Waste Management Practice Planning Guidance For Architects and Developers

Introduction

The London Borough Of Havering offers its residents a separate black sack refuse and orange sack recycling collection service and is committed to keeping both collections weekly.

Black sacks must be provided by the resident, but orange sacks are provided by the council.

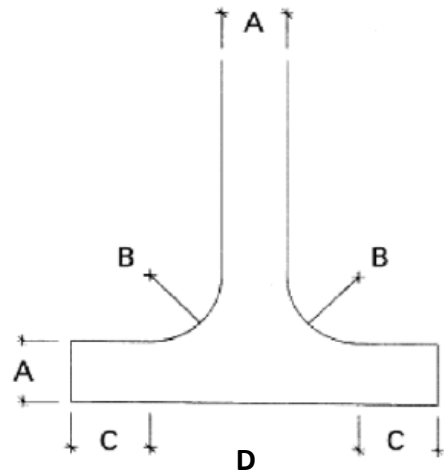
Individual, street level properties receive a kerbside collection from their boundaries. Facilities for the communal storage of refuse and recycling in flats require adequate provision to contain the maximum volume of waste expected between collections. The efficacy of a refuse storage system is dependant on its storage capacity and the ease of access both for the user(s) to deposit waste and the collection authority or other waste collection contractor to remove the waste.

The collection authority has the powers under Section 46 (Receptacles for household waste) and Section 47 (Receptacles for commercial and industrial waste) of the Environmental Protection Act 1990, to specify the type and number of receptacles to be used and the location where the waste should be placed for collection.

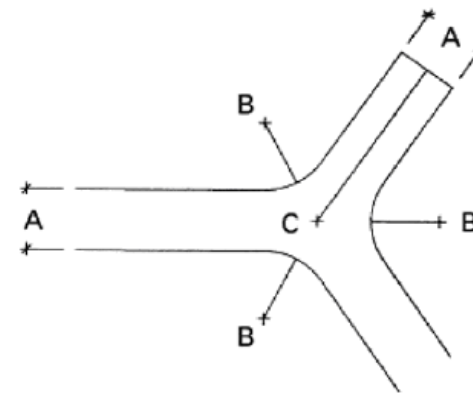
For further information please contact waste-team@havering.gov.uk

Standard Minimum Requirements for the provision of waste storage	
Residential	<ul style="list-style-type: none"> • Recommended minimum storage capacity of 45 litres for recycling and 180 litres for general refuse (rubbish) per dwelling. • Sufficient storage capacity should be provided for both refuse <i>and</i> <u>recycling</u>.
Commercial	<ul style="list-style-type: none"> • Offices - 2,600 litres of waste storage space for every 1000m² gross floor space. • Retail - 5,000 litres of waste storage space for every 1000m² gross floor space. • Restaurants and Fast Food Outlets - 10,000 litres of waste storage space for every 1000m² gross floor space. • Hotels - 7,500 litres of waste storage space for every 1000m² gross floor space.
Mixed Use	<ul style="list-style-type: none"> • Developments must provide specific segregated waste storage areas for domestic and commercial waste arisings respectively. The extent of provision should relate to their respective specifications.
Storage Requirements	
Residential, Commercial & Mixed use	<p>Checklist:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Storage locations are no more than 30m distance from the point of collection. <input type="checkbox"/> Distance between point of collection and closest access point for collection vehicle is no more than 25m (refer to page 2 for vehicle access requirements). <input type="checkbox"/> Passage of bin from store to collection point avoids steps, and dropped kerbs are in place where necessary. <input type="checkbox"/> Gradients over which containers must traverse do not exceed 1 in 12. <input type="checkbox"/> Containers do not need to be moved through a building to the point of collection. <p>Flats/Apartments – additional information</p> <ul style="list-style-type: none"> • Safe handling arrangements should be made for caretakers/management staff when transporting waste. • Conditions should be made within freehold, lease or tenancy agreements to prescribe waste deposit areas. • Effective monitoring of occupants' level of compliance with the developments waste storage requirements should be carried out. • Regular cleansing of the collection areas should be carried out.
Infrastructure Requirements – communal waste storage compound	<p>Checklist:</p> <ul style="list-style-type: none"> <input type="checkbox"/> All bins located within 30m of an external door. <input type="checkbox"/> Storage areas are hard-floored and well lit. <input type="checkbox"/> Sufficient clearance given to allow full opening of the lid. <input type="checkbox"/> 2m minimum working height where compound is covered. <input type="checkbox"/> 2m minimum width of access threshold to the compound to allow for removal and return of containers whilst servicing. <input type="checkbox"/> Layout is such that any one container may be removed without the need to move any other with at least 150mm clearance space between the containers. <input type="checkbox"/> Adequate ventilation is provided within the compound. (e.g. Louvre doors).
Highways and Access Requirements	<p>Check, for standard waste recycling collection services, highways adhere to the following criteria:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Minimum 5m width of highway / access road. <input type="checkbox"/> Designed to accommodate maximum reversing distance of 12m. <input type="checkbox"/> Allows a minimum of 4.5m vertical clearance. <input type="checkbox"/> Where containers are emptied, a minimum working area of 3.5m width and 4m in length is available. <p>For minimum dimensions for turning areas see below.</p>
Disabled access	Refer to BSI standards publication BS8300:2009+A1:2010

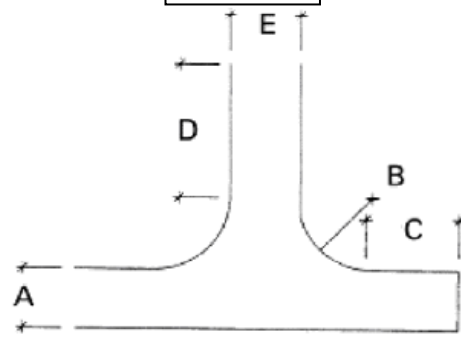
Minimum dimensions for turning areas (waste collection vehicle)



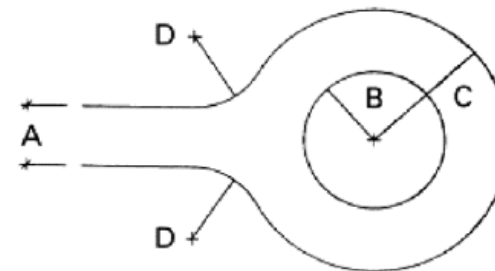
A	5.5m
B	6m
C	6.7m
D	11.5m



A	5.5m
B	10.5m
C	16.6m



A	5m
B	6m
C	7m
D	5m
E	5.5m



A	5m
B	5.75m
C	11.5m
D	6m

Appropriate parking restrictions should be implemented.

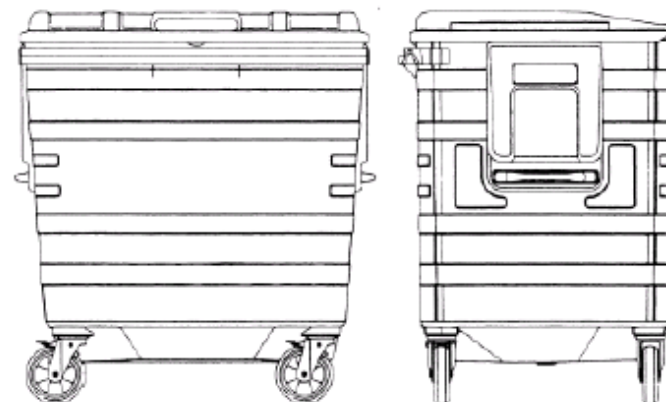
Wheeled bins for refuse and recycling storage in flats

1100, 820 and 660 litre

These are metal or plastic wheeled bins with four wheels and should conform to British Standard BS EN 840: 1997.

They have a fixed lid, which can be supplied with a lock if required, and are suitable for residential, commercial and mixed developments.

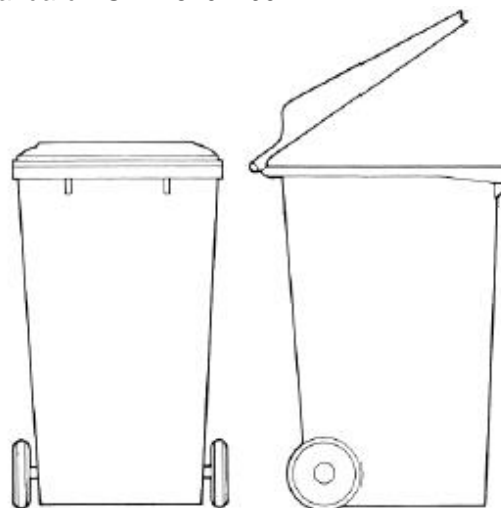
Dimensions (mm)					
Capacity (litres)	1100 Euro	940 Chamberlain	820 Euro	770 Chamberlain	660 Euro
Width	1270	1020	1250	1020	1250
Depth	1000	970	785	770	720
Height	1380	1500	1370	1410	1320



140, 240 and 360 litre

These are plastic wheeled bins with two wheels and should conform to British Standard BS EN 840: 1997.

Dimensions (mm)			
Capacity (litres)	140	240	360
Width	500	585	660
Depth	560	740	880
Height	1075	1100	1100



Recycling bins for domestic developments can be purchased from the Havering Waste Team or from many other bin providers. The standard colour for these should be orange wherever possible. Sizes and dimensions may vary depending on design and supplier.