

WAS 01: Storage of Non-recyclable Waste and Recyclable Household Waste (4 Credits)

External Space for Storing Waste (0 credits)

Adequate external space needs to be supplied for the storage of both non-recyclable and recyclable waste. It should be sized to accommodate containers according to the largest of the following volumes (recommended by the British Standard 5906; British Standards Institution, 2005):

- a. The minimum volume based on a maximum collection frequency of once per week.

This volume is 100 litres for a single bedroom house, with a further 70 litres for each additional bedroom.

The space required can also be calculated using the methodology in BS5906:2005 which is based on a once weekly collection frequency.

- b. **The total volume of the external waste containers provided by the local authority.**

External space also needs to be compatible with the volume and nature of recyclable materials in which the local authority provides collection for. It is important for the designer to contact the local authority with regards to the space required to store recyclable waste, in the early stages of the design process.

At least 3 of the following recyclable waste materials must be collected:

- Paper
- Cardboard
- Glass
- Plastics
- Metals (tins and cans)
- Textiles (clothes and shoes)

All bins must be located on **level hard-standing** (a hard surface suitable for parking vehicles).

Containers **must not be stacked**.

All of the bins must be **accessed by an inclusive route** (see Checklist IDP) from the closest external door to the house. This means that the bins must cater for the widest possible range of the population, including older people and wheelchair users. The WAS 01, WAS 03, HEA 03 and HEA 04 sections of the Code include the principles of inclusive design. This aims to enable everyone to participate in everyday activities (including taking out their rubbish) and to prevent barriers that cause undue effort and separation.

If the local authority does not provide external recycling storage, the bins which are used must be covered. This means that either of the following must be provided:

a. Bins with lids

	
<p>140 litres Dimensions: 960mm x 550mm x 480mm Weight: 9.6kg, payload 48kg</p>	<p>240 litres Dimensions: 1075mm x 725mm x 580mm Weight: 13.5kg, payload 96kg</p>
<p>Made from high-density polyethylene which is resistant against chemicals and extreme temperatures. Solid rubber wheels to allow the containers to absorb shock</p>	

Or if they do not have lids:

b. An enclosed structure (four walls, a door and a roof)


<p>Holds 2 x 240L bins Made out of hard-wearing, responsibly-sourced timber</p>

Internal Space for Storing Recyclable Waste (4 credits)

To gain 4 credits for this section, adequate internal space providing an internal storage capacity (for both non-recyclable and recyclable waste) must be combined with either a local authority collection scheme, or if there is no such scheme, an adequate external storage capacity.

Internal recycling bins must be located in a non-obstructive designated space.

For example:

- in a kitchen cupboard
- close to a non-recycling bin
- within 10m to the kitchen (i.e. in a utility room or connected garage)

(Recycling bins which are free-standing and placed directly on the floor or in cupboard do not comply.)

Local Authority Collection Scheme

The regular collection of non-recyclable/residual waste (not intended for recycling or composting) and often recyclable waste from houses, is the responsibility of the local authorities.

In addition to a local authority collection scheme (with a collection frequency of at least fortnightly), at least one of the following must be met:

- a. **Recyclable household waste is sorted after collection** – where a single bin of at least 30 litres is provided in an adequate internal space.



30 litres

Installed height x depth: 427 x 449 mm, min cabinet width: 300mm
Made from Silver epoxy coated steel bin holder and a plastic bin
For door front fixing cabinets or side wall mounting in cabinets
Designed to be withdrawn from a cabinet with the lid used as a shelf

- b. **Materials are sorted before collection** – where at least three separate bins are provided with a total capacity of 30 litres and each bin must have a capacity of at least 7 litres and be located in an adequate internal space.



3x10 litres

Dimensions: 400mm height x 260mm width x 480mm depth
Steel bin housing with a plastic lid, a front grip panel and 3 plastic bins.
Designed to be withdrawn from a cabinet whilst the lid remains inside.
Can be fitted under kitchen counters and sinks.

- c. **An automated waste collection system** - which is where some companies now offer an underground system for the collection, sorting and transportation of recyclable waste. It collects at least three different types of waste from multiple locations with enhanced standards for hygiene and occupational health and safety. It also reduces CO₂ emissions and nuisance from the reduction in waste transportation.