



Bin Parking.

Green Light for Containers – This Is how the Waste Smoothly Reaches Its Goal.



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All you should know for your planning

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Planning First, Placing Second

You want to build a family home or an apartment block? Then you should allow for an appropriate pitch for the waste containers.

Every building is unique. That is why individual planning is required for an ideal waste disposal. We are happy to advise you and answer the most important questions in advance.

Questions about the containers

- What kinds of waste will occur and which kind of container do I need for them?
- Which container size do I need?
- What container sizes and combinations are available?
- How can I prevent third-party use of the containers?

Questions about the transport

- What does full and what does part service mean?
- How far may the containers be from the collecting point?
- What are the requirements for the driveway?

Questions about the pitch

- What should I bear in mind for a good pitch?
- How can I design the pitch attractively?

Questions about the underfloor container

- What is an underfloor container?
- Which advantages does an underfloor container offer to me?



All about the Containers

For each kind of waste there is a suitable bin. How big it should be depends on the number of people living or working in a building.

Residual waste container

For residential property the container volume depends on the number of inhabitants. A residual waste volume of **20 l** should be made available **per person and week**. For users of the bio bin or composters the container volume decreases to **15 l per person and week**.

For producers of commercial settlement waste in accordance with the Commercial Waste Regulation the container volume amounts to a minimum of **120 l per week**.

Biodegradables Container

Organic waste from the biodegradables container serves for the production of biogas and is fermented in biogas plants separated from the residual waste.

Recycling container

This is for the collection of recyclable material, such as saucepans, plastic toys and packaging material. Households without a recycling container receive recycling bags once a year. Containers and bags are collected fortnightly free of charge in part service by RAU Recycling am Umweltpark GmbH.



Paper containers

Paper and cardboard is collected in the paper bin and emptied every four weeks in part service free of charge.

The following container sizes are available

■ Residual waste	■ Paper	■ Bio	■ Recycling material
30 l			
40 l			
60 l		60 l	
80 l		80 l	
120 l	120 l	120 l	120 l
240 l	240 l	240 l	240 l
660 l			
770 l	770 l		770 l
1.100 l	1.100 l		1.100 l

Paper, recycling and residual waste containers are normally placed in a ratio of 1:1.

Emptying

The residual waste and the biodegradables containers are emptied fortnightly and communal fees have to be paid for it annually (refer to Bochum Fee Statutes for Waste Disposal). Should a collection interval other than the given one be necessary and possible, the fees are adjusted accordingly.

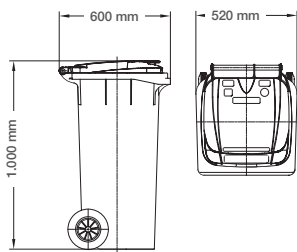
Container types and measures

The measures of our containers vary depending on the manufacturer. Therefore, we have rounded and summarised the sizes for you in the table below.

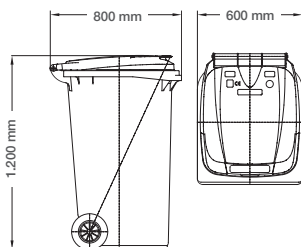
Container*	Height	Width	Depth	Pitch
30 – 120 l	1.000 mm	520 mm	600 mm	0,40 m ²
240 l	1.200 mm	600 mm	800 mm	0,60 m ²
770 l	1.400 mm	1.400 mm	800 mm	1,50 m ²
1.100 l	1.500 mm	1.400 mm	1.100 mm	3,00 m ²

* Containers from 30 - 240 l are equipped with two wheels and containers from 770 - 1,100 l are equipped with four wheels.

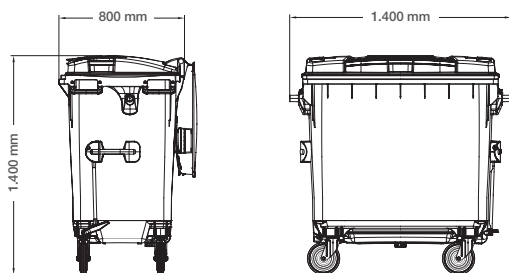
Container measures 120 l



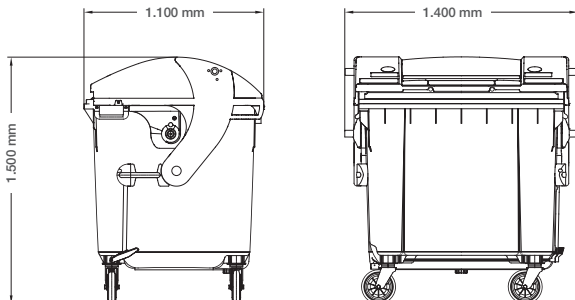
Container measures 240 l



Container measures 770 l

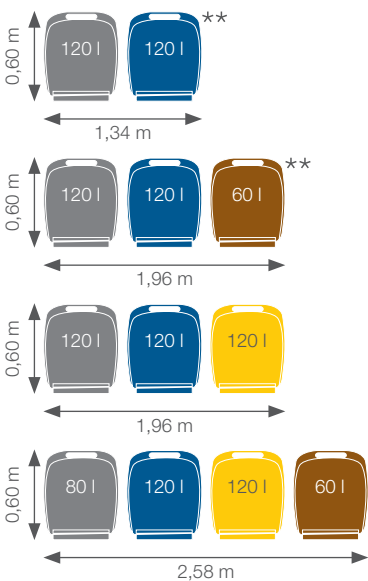


Container measures 1,100 l

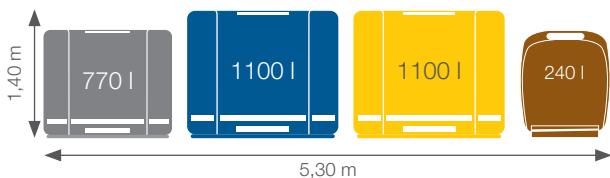
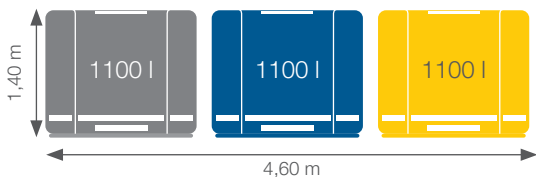
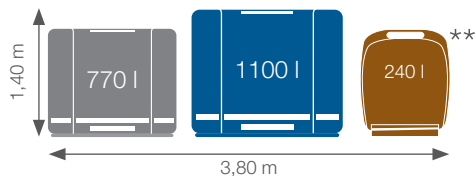
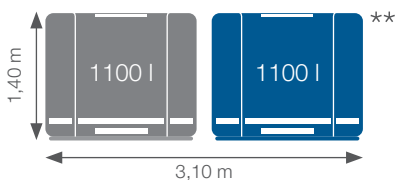


Dimensions may vary due to production.

Pitch samples for container combinations



** Households without the yellow bin collect in recycling bags



- | | |
|--|--|
|  Residual waste |  Combined recycling bin |
|  Paper |  Biodegradables |

** Households without the yellow bin collect in recycling bags

Preventing third-party use

In order for the waste container not to be filled by meddlers, you should mark the pitch with your name or house number. The surroundings permitting, you can also place the container behind hedges and bushes. If you use a lockable container box, please make sure that it is fitted with a triangle lock (edge length 9 mm).

You will find further specifications for pitches on the following pages.

All about the Transport

The different kinds of waste are divided into two service categories: full service and part service.

Full service means:

Every residual waste or bio container is collected from and taken back to the pitch by USB. The container may be situated up to 10 m from the boundary between property and public road. The transport path has to correspond to the requirements of the Statutes (refer to page 10). Longer transports above 10 m are only performed by USB against payment of a surcharge.

Part service means:

You make the container available for emptying outside any container cabinet at the property boundary or the roadside of the property **by 6:00 a m at the latest**. The fee-based full service can be booked additionally if desired.

Cost for the full service (per year)

Transport	up to 240 l	up to 1,100 l
Containers for residual waste as well as biodegradables* (fortnightly disposal)		
through buildings***	32,80 EUR	not available
10 – 30 m	32,80 EUR	65,70 EUR
30 – 50 m	65,70 EUR	131,50 EUR
50 – 70 m	98,60 EUR	197,20 EUR
Recycling containers** (fortnightly disposal)		
0 – 30 m	41,00 EUR	82,00 EUR
30 – 50 m	68,00 EUR	136,00 EUR
50 – 70 m	95,00 EUR	190,00 EUR
70 – 100 m	Bei Transportwegen zwischen 70 m und 100 m sprechen Sie uns bitte an.	
Paper containers** (four-weekly disposal)		
0 – 30 m	26,00 EUR	51,00 EUR
30 – 50 m	43,00 EUR	86,00 EUR
50 – 70 m	60,00 EUR	120,00 EUR
70 – 100 m	77,00 EUR	154,00 EUR

* in accordance with the waste/waste fee statutes in the currently valid version.

** Offer subject to change. Data incl. statutory value-added tax

*** only for old stock

Subject to change and errors excepted.

Specifications for Transport Routes

- The transport routes for the residual waste and bio containers must not exceed 10 m from the pitch or the waste container cabinet to the property boundary at the public road (refer to page 9 Transport Route Surcharge).
- The recycling containers and paper containers must be made available by 6.00 a.m. on collection days either on the private property directly at the boundary or on the walkway at the roadside of the property.
- The transport paths must be 1.20 m wide, and 0.90 m thereof must be paved. The transport route must be kept clear of foliage, grass tufts, moss, snow and ice. Please ensure sufficient lighting.
- If there are doors on the transport routes, they must have a fixing device and it must be possible to open them without a key or a tool. Using a triangle lock (edge length 9 mm) is possible.
- Transport routes must not have any steps, edges or major unevenness. Any differences in height shall be compensated by ramps. The transport routes must not exceed a maximum gradient of ten per cent for waste containers up to 240 l and three per cent for waste containers of 660 l or more. Short routes may have a maximum gradient of six per cent over a length of 1.5 m*.

Our Waste Collection Vehicles Need Space

Depending on the location of the object, you should bear in mind that waste collection vehicles cannot travel everywhere. The condition of the roadway must allow for a load capacity of 32 tons and a single axle load of 11.5 tons, a vertical clearance of 4 m minimum and a horizontal clearance of 3.55 m minimum. In cul-de-sacs there must be sufficient room to turn. An outer turning diameter of 22 m is required.

Please observe any potential right of way. An approved fire lane is normally not sufficient. Town planners/architects ought to bear in mind that waste collection vehicles are legally prohibited to reverse into streets and properties.

* With these requirements, USB complies with the requirements of the relevant employers' liability insurance association.



If your property is situated along a road,

- which cannot be used by the waste collection vehicles,
- which does not offer sufficient room to turn, or
- where the usual access to and departure from the property is temporarily closed,

take your waste containers, in co-ordination with USB, to the nearest accessible road.

All about the Pitch

According to the Waste Statutes of the City of Bochum, some rules must be observed with regard to the layout.

Specifications for Pitches

- The pitches must be laid out in a way that the waste containers are possibly invisible from the street and can be collected for emptying without difficulty and delay.
- The pitches must have a hard, smooth and immovable (concreted or paved) ground. The pitches must have a sufficient gradient (1 per cent maximum) for the drainage of water.
- The foundation of waste container cabinets must sit flush with the paved transport path. If cabinets have a gradient, the distance between the bottom of the cabinet and the paved transport path must not exceed 2 cm at its lowest point.

- The cabinet doors must not project into the public traffic area.
- The cabinet doors should be mounted in a way that they can be opened against the transport direction of the waste containers and do not block the transport route when they are open. It must be possible to open and close the cabinet doors without using keys or tools.
- In front of the cabinets in the transport direction there must be a minimum space of 1.20 m for taking the containers out of the cabinet and for turning and manoeuvring them.
- Waste container cabinets must enable the containers to be taken out by the disposer without any damage. In order to avoid the risk of injury it must be possible to use the handles of the containers. The containers must be placed in a way that they do not have to be lifted when taking them out and putting them back.
- Please also ensure sufficient lighting of the transport route.

Recommendations for the Pitch Design

- For emptying, the handle of two-wheel containers should point in the transport direction.
- For bio and residual waste containers a minimum distance of 5 m to dayrooms is necessary for hygienic reasons.
- Please co-ordinate your choice and design of pitch with USB beforehand. If the containers are placed tightly on the pitches, you should make sure that, on the day of collection at the latest, the container handles can be used by the employees in transport direction.
- Generally, pitches have to be accessible to USB at all times. Plan your pitch in a way that, for instance, the emptying is not impeded by parked cars.



- For pitches near sensitive (pressure-sensitive or bright) (house) walls, an edge protection is strongly advisable.
- Easy access to all waste containers promotes an even filling of the containers.
- Mark the containers with free USB labels in order to avoid mishthrows.
- If possible, choose a shady and cool pitch for the residual waste and the bio bin.
- Pitches should be open at the top, climbing plants or hedges create a nice closing. *Lonicera henryi* is a suitable plant for semi-shady to shady places, *Virginia creeper* for sunny to semi-shady ones, *clematis* for sunny to semi-shady areas or *wisteria* for sunny areas.



All about the Underfloor Containers

Underfloor containers are underground waste collection systems. Possible container sizes are 3 to 5 m². The containers are suitable for waste kinds like residual waste, paper and combined recycling material and are especially appropriate for residential compounds as from 30 units onwards.

Advantages at a Glance

Living environment

Underfloor containers provide a clean and nice living environment through their modern shape. Underfloor containers save room, for instance, a 5 m³ full underfloor container replaces about four large waste containers.

Third-party filling

The containers are lockable. Only the tenants and owners get keys. Upon request, the locks can be adjusted to the house locking system.

Easy Access

The access flap is at an optimum height and can be used one-handedly. The handle is mounted in a way that it is easily accessible, for instance, for children or wheelchair users.



Protection from vermin and odour

Underfloor containers are closed systems. Vermin, especially rats, cannot intrude. Furthermore, the waste stays cool for longer in summer, as the containers are situated underground. Thus the development of odour and insects is reduced.

To be observed

Pitch requirements

- Floor space for the disposal vehicle 15 m x 6 m.
- Distance to the vessel 5 m maximum.
- Clear height above the vehicle and container 10 m.
- No branches, cables or the like in the transport area.
- No lines, wires, cables, or pipes in the area of the future pitch

Requirements for the disposal vehicle

- Lane width 3.55 m.
- Vertical clearance 4 m.
- Manoeuvring and turning space 18 m + 1 m safety strip

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