



## Underground containers

When waste sorting, construction economy and aesthetics come together

Why underground containers?

## Future-proof your waste management

With an Aerbin underground solution, you get lower operating costs and sorting into an unlimited number of fractions.

### No more manual waste handling

With underground containers, manual waste handling is eliminated. All waste is picked up directly from the containers by your local waste collector.

When waste is thrown directly through a inlet connected to the underground container, the waste ends up in an underground metal container, keeping it cool at all times and avoiding odors.

At least once a week, underground containers for daytime waste are emptied.  
Other fractions are emptied as needed.



### Operating costs

Other waste collection costs are reduced as an underground system requires nothing more than exterior maintenance.

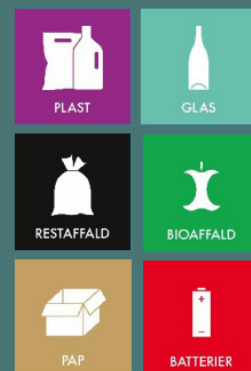
Service employees can now spend their time on more important tasks, such as ongoing maintenance, snow removal, gardening, etc.

## The solution for your project

The underground solution is relevant for any project, big or small!  
The solution accommodates all fractions and comes in different sizes to accommodate the diverging waste volumes for each fraction.  
The underground solution comes with inlets suitable for each fraction, as well as a drum for larger inlets, such as BIO waste.

The solution can be delivered in colors that graphically contribute to better sorting understanding. It is possible to have colored pictograms from the Danish Environmental Protection Agency's common labeling system, which also contributes to better packaging sorting through recognizability.  
The underground system is not limited by distances compared to automated solutions but requires access for waste collectors.

Udpluk fra  
Miljøstyrelsens  
mærkningsordning



## Visibility

The underground solution caters to the discerning developer/architect/builder who wants a waste solution that can easily be incorporated into a project.  
The facilities are available clad in different materials, colors and textures.  
Despite the large amounts of waste that the facilities can hold, the facilities have a limited impact on the landscape as the majority of the facility is stored underground.



## Project planning

Aerbin specializes in waste management. By involving us in the design phase, the client is assured that it is specialists in this field who plan and design the waste management solution.

We have the necessary know-how when it comes to developing and integrating sustainable waste solutions. We are happy to make suggestions for the location of the facilities, so involve us from the beginning of the project and avoid problems in the design phase.  
We are happy to develop and deliver digital components to architects and engineers if these are required during the design phase. We also offer co-design in 3D for collision control.

## Specifications

An underground solution is available in sizes from 2-5 m<sup>3</sup>

Drop-in options are available for:

- Large/small bottles
- Mixed
- Small cardboard/paper
- Small cardboard/paper
- Metal
- Drum inlets

Locking options

- Key Token
- NFC - Smartphone

## Capacities

An underground solution is not limited by capacity, for 5 m<sup>3</sup> of waste only 3.8 m<sup>2</sup> is needed underground. This is achieved by storing the waste down to 2.8 meters below ground level.

Due to the large container and good filling rate, a 5 m<sup>3</sup> container can hold waste equivalent to 8.3 600-liter waste containers, the well-known green containers.

Type	Volume (m <sup>3</sup> )	Length	Width	Depth
2 m <sup>3</sup>	2,0	1950mm	1950mm	1,71 m.
3 m <sup>3</sup>	3,0	1950mm	1950mm	1,71 m.
4 m <sup>3</sup>	4,0	1950mm	1950mm	2,27 m.
5 m <sup>3</sup>	5,0	1950mm	1950mm	2,83 m.

## Why an underground solution?

- An underground solution contributes to easier waste sorting (municipal requirements)
- An underground solution has a better environmental impact than traditional waste collection.
- An underground solution has lower operating costs.
- An underground solution minimizes waste management in the cityscape.
- An underground solution blends more naturally into the landscape than current bins.

## The inlet

The inlet is the visible part of the container.

The surface treatment includes a powder coating with an anti-graffiti layer for easy removal of paint and stickers.

The single UNO pillar is designed in sizes S, M and L. The DUO double bin body for 2 fractions is available in sizes S and M. Larger pillars allow larger inlets for larger waste.

The tops of the columns have a lifting system for attachment for the emptying truck. The following types of lifting hooks are available, 1 hook, 2 hook, 3 hook and Kinshofer, the type of waste hook depends on the waste collector's hook system.



## Platform

The platform is made of 4-6 mm hot-dip galvanized steel as standard.

A hole is made in the platform to fit the dimensions of the inlet housings.

It is also possible to have the platform made of sound absorbing foam SF36.

Prepared for tiles.



## Safety and security

It is important to protect operating personnel and citizens from falling into the outer container during emptying and service personnel from the underground container.

Therefore, a safety floor is always installed in Aerbin underground containers.

However, Aerbin also offers to supply the underground containers with a safety fence.



## Concrete silo

A robust 5-ton waterproof concrete casting that protects the inner container from the pressure of the surrounding soil and groundwater ingress that can result in flooding of the buried container.

Volume (m3)	Length (mm)	Width (mm)	Total height (mm)	Height concrete silo (mm)
3,0	1600	1600	2910	1810
4,0	1600	1600	3410	2716
5,0	1600	1600	3980	2730



## About Aerbin

For many, waste management is synonymous with odors, overflowing bins and large garbage trucks - a common part of streetscapes and yards, but it doesn't have to be that way. Not at all, if you ask us...



## We are Aerbin

A Danish company with one main purpose: to develop and integrate waste management solutions that save society money and time - and at the same time ensure a healthy, sustainable foundation for urban areas, housing estates or similar to achieve a greener profile. Waste management is an important part of society, it's common sense to spend time and resources doing it right, the first time.

The company was founded in 2005. We have since installed thousands of tanks across hundreds of waste management facilities in new and existing buildings. We saw the added value in waste vacuum solutions - both the economic, environmental and social aspects. After many years of thorough research, development and testing, we have the necessary knowledge to ensure our customers a reliable system from day one.

## Focus on good collaboration

Our close collaboration with clients, architects and engineers guarantees our customers that the best solutions are developed and integrated.

From the very beginning, we have had our own production. We know all the components, which means we can develop solutions that are future-proof - both in terms of technology and mechanics.

Our waste solutions can service everything from a small residential block to large urban areas. There are almost no limits...We have the right set up to handle all kinds of waste management solutions.

# Aerbin®

By Dansk Skraldesug

Egelundsvej 16  
5260 Odense S  
Tlf. +45 66 100 136  
E-mail: [info@aerbin.dk](mailto:info@aerbin.dk)  
Cvr.: 28498314