



**APLAST**  
ROTOMOULDING

# ECO dip

Containers for underground waste collection



**ECO dip**

**MORE** for nature

Every inhabitant of Slovenia generates 1,18 kg of municipal waste per day in their household. At a yearly level, a citizen thus generates 431 kilograms of household waste, while all together, we generate as much as 840,000 tonnes (source: SURS2006). But the story does not end here, as municipal waste is joined by industrial waste and construction, farming and forestry waste.

Similarly as in these parts, most other member states of the European Union are experiencing a rise in the quantity of waste. Thus, an efficient and responsible waste management is ever more at the forefront as a strategic goal and large global challenge in the field of environment protection, as well as a condition to achieve sustainable ecological development.

A rapid growth of the quantity of waste, numerous negative ways in which it affects the environment and the growth of environmental awareness have accelerated the changes in the field of waste management, reflected by the new legislation and constant development of environmentally friendly solutions.

## Revolutionary Solution

### – UNDERGROUND WASTE COLLECTION

We at the company Aplast also wish to do more for nature and actively contribute our share in responsible use of natural sources and waste management, as well as create long term conditions for a higher quality of life and healthier living. Thus, we have designed a revolutionary solution - containers for underground waste collection ECOdip.

The casing of the container for underground collection of biological or non - biological waste ECOdip is made of a polyethylene material, specially adjusted to it being buried into the ground and 100% watertight.

In accordance with the demands of separate waste collection, the ECOdip containers have removable covers in different colours, especially suited to marking individual fractions when recycling. The covers are suitable for use by handicapped persons and children.

Within the container, there is a textile collection bag, which also serves as a reservoir for non - biological waste. To dispose of biological and non - biological waste, we use the internal metal insert with opening hatches. The top of the collection bag or insert is equipped with lifting grips for transfer to the waste collection vehicle. In the case of the textile collection bag, the bottom is equipped with an opening string, which is used to open and empty the bag. The exceptional durability of the collection bag is demonstrated by the repeated pick up of waste throughout several years. The metal inserts are equipped with a hatch opening mechanism.

In order to collect glass, a heavily armoured textile collection bag or a metal insert are available.

All ECOdip containers are equipped with lifting grips for a safe placement of the container into the ground.





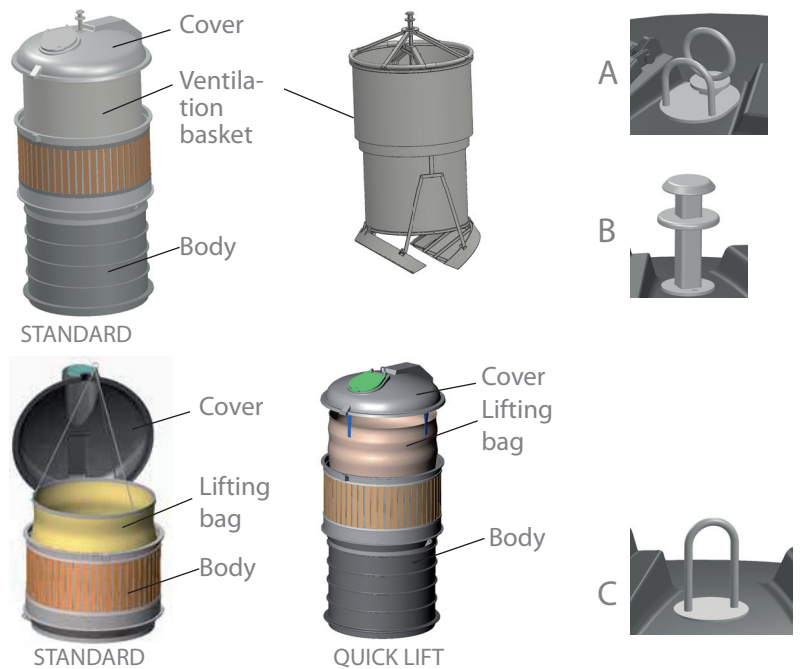
material: biodegradable polyethylene  
height: 2400 mm  
waste collection capacity:

**ECOdip for biological and non - biological waste**

model	volume in l	diameter in mm	weight in kg
ECOdip M 1300	1300	850	180
ECOdip M 3000	3000	1250	260
ECOdip M 5000	5000	1600	350

**ECOdip for non - biological waste - textile bag**

model	volume in l	diameter in mm	weight in kg
ECOdip M 1300	1300	850	95
ECOdip M 3000	3000	1250	120
ECOdip M 5000	5000	1600	160



## The strategic advantages of underground waste collection

### High quality, exceptionally long life span

- ECOdip containers are made of a biodegradable polyethylene which is not harmful to health and is very resistant to impact, large temperature differences, harmful UV - radiation and mechanical damage
- the obtained certificate of the highest quality of the ECOdip containers is our guarantee for the top of the line quality and long years of successful ecological waste management
- due to exceptionally light weight, the ECOdip containers, they are quick and practical to place and simple to maintain
- guaranteed life expectancy of the container is 50 years
- the ECOdip containers are made in accordance with the European Standard EN 13071 and technologically suitable for emptying by classic waste pick up vehicles, as they are equipped with handy lifting grips for safe placement of the container into the ground and simple waste pick up:

A - double lifting grip - emptying system

B - KINSHOFER emptying system

C - single fixed lifting grip

### More space for nature

- 70% of the volume of an ECOdip container is located underground, which significantly contributes to a more coherent appearance of the environment and better blending of waste collection containers into the natural environment, as well as ensures higher hygiene standards
- up to 5x larger collecting surface compared to classic plastic containers for non - biological waste significantly reduces the frequency of waste pick up and consequentially rationalises the expenses of pick up, while reducing the amount of noise in the environment

Certified ISO 9001 : 2008 by



Comparison between 5000L ECOdip, 6 rolling containers and 42 pieces of 120 l house containers

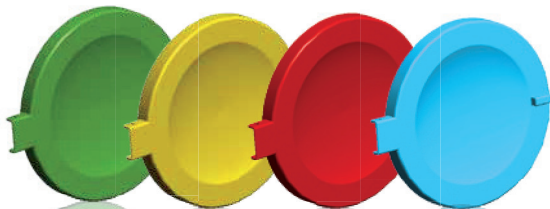
- larger collection surface of the ECOdip container is especially suitable (rational) for municipal and private communal services, apartment buildings, individual houses, camping sites, resting areas by motorways, holiday resorts, hotel complexes, skiing resorts, business and industrial buildings and those buildings, whose users produce larger amounts of waste.

#### **Simple and more hygienic pick up**

- innovative way of emptying waste with the use of a bag that may be lifted directly into the cargo vehicle for waste pick up, thus making the collection container dry and clean for a long time, ensuring a more hygienic working environment for communal workers as well.

#### **Higher hygienic standards**

- low ground temperature and 100% water tight collection container neutralise unpleasant odours, which are generated during the decomposition of the waste, which makes underground waste collection especially helpful in terms of higher quality of life and residence of end users during the summer months, as well as in ensuring a more hygienic work of communal workers.



#### **With a thought of separate waste collection**

- in accordance with modern demands of sustainable development, the ECOdip containers for non - biological waste have colour coded covers for the recycling of individual fractions, which makes them especially suitable for separate collection in the area of generation of waste for further processing
- size and fit of the cover (upright or flat) is adjusted to your wishes and needs
- revolutionary system of waste composting enables the reduction of volume and consequentially optimisation of transport paths of the waste, intended for reuse or processing

#### **Transparent and planned waste management**

- enables a long term, efficient, organised and transparent pick up of waste and a constant monitoring of the quantity and weight of gathered waste, as well as a more precise statistical analysis of gathered data

#### **Economical investment into the environment**

- due to permanent placing, the possibilities of misappropriation and damage of the underground waste gathering containers and pollution of the environment during pick up are reduced
- waste pick up.

## **Practical Installation**

When installing the ECOdip containers, we professionally ensure proper installation of the collection container, as well as advice you in the selection of a suitable location. An appropriate location must enable both an easy access to the collection container as well as an easy access for the pick up vehicle. When selecting the location, we also take into consideration that there are no objects in the vicinity of the collection container, which would inhibit access to it or pick up (e.g. electric cables).

The required depth of digging when installing a container is 150 cm. Installation of the container is carried out in accordance with the instructions of the manufacturer.

When installing several containers in one place (e.g. ecologic islands), the recommended distance between individual containers is 80 cm.



## Simple Maintenance

Maintenance of the ECOdip containers is so simple that, excluding the cases of mechanical damage which requires repair, it is practically nonexistent. The simplicity of maintenance was taken into consideration during the very technical design of the entirely watertight containers, by choosing a durable, weather and temperature change resistant polyethylene.

We also provide our clients with the possibility of purchasing all spare parts.

## Advanced Monitoring Technology

The basic type of the underground waste collection container ECOdip is manufactured in a way, where it is easy and price efficient to electronically upgrade with advanced and environment preserving monitoring technology.

Placement of an external monitoring unit onto the cover of the container will enable a simple registration with the electronic identification of users and monitoring of the waste level within the container. Safely secured into the casing of the container, you will find a sensor, which detects the need for emptying the container once it is full. A dry cell battery provides enough energy for 2 year uninterrupted operation. The battery may be charged through solar cells.

Your collection container can also be equipped with an electromagnetic lock, triggered by an identification card. The data on gathered waste from the cart may, in accordance with your requirements, be further analysed using the GSM or GPRS technology.

With additional modules such as cartographic demonstration of the location of placement of the gathering container and the direction of movement of the waste pick up vehicle, you may further simplify the planning of waste pick up.

Upgrading the basic type of the ECOdip container with advanced monitoring technology thus enables a long term planned, efficient, organised and transparent waste pick up and constant monitoring.



Electronic Lock

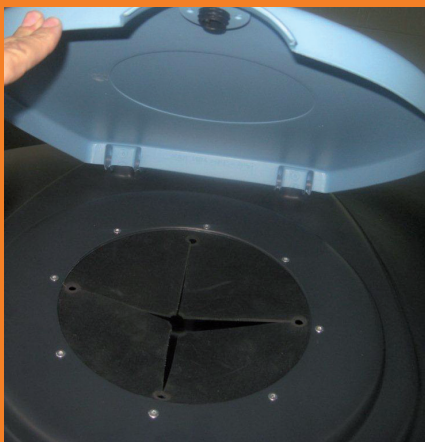


Solar panel



Electronic unit





## **APLAST** ROTOMOULDING

APLAST proizvodnja in trgovina d.o.o.  
Petrovče 115a, 3301 Petrovče, Slovenija  
t | +386 (0) 3 713 24 50  
f | +386 (0) 3 713 24 54  
e | info@aplast.si  
w | www.aplast.si

Certified ISO 9001 : 2008 by

