

The efficient and sustainable deep collection system

**MOLOK**<sup>®</sup>

Products





# Molok® – leading the way in sustainability

Our products have the EPD certificate



We use recycled materials eg. in main lids, lifting bags and composite framings

Less emptyings compared to surface bins – Surface bins produce even 50% more greenhouse gas emissions



With the help of footprint calculations we decrease actively our CO<sub>2</sub>-footprint

Over 30 years life cycle is a result of sustainable design



Sealed construction is safe for ground water



Less noise by emptying means pleasant environment



Connectivity to digital appliances can greatly increase the collection effect and reduce emissions



We follow the ISO-quality, environment and work safety standards



Ingenious inventions are often simple.



## Space savers for waste collection, sorting and recycling

Molok Deep Collection containers are installed partially underground. Emptying is needed even 80% less often than with ordinary surface containers. Thanks to this, Molok reduces carbon dioxide emissions and is the cheapest option in the long term.

- 1 **The vertical design saves space**  
60% of the container is underground. This saves space in the yard for other use. In addition, gravity forces the waste to compact itself even more.
- 2 **The coolness of the soil keeps smells in check**  
The coolness of the soil slows down bacterial activity and minimises bad smell. Older waste is always covered by newer waste.
- 3 **Efficient and ergonomic emptying**  
The cleanliness and safety of your yard will improve when emptying trucks visit less often. Thanks to our containers' greater collection capacity, emptying is needed even 80% less often. Emptying by crane is clean, safe and quick. The ergonomics for the employee doing the emptying are better than when emptying traditional surface containers.
- 4 **Easy and safe to use**  
The container's filling lid is light and easy to use. The lid has a mechanism that keeps it open and leaves both of the user's hands free. A lock that prevents unauthorised use and vandalism can be added to the filling lid.
- 5 **Designed to be adaptable**  
Individual containers can be divided into two or three compartments, depending on the model and size of the container. This makes it possible to collect up to six different types of waste with a single container. The solution helps you use space more efficiently. The way the container is divided can be changed later.

Molok® Domino



**The quadrangular Molok® Domino** is a waste collection system that consists of adaptable modules. Depending on the type of the container, the container body is made of either fibre-reinforced concrete or HD polyethylene.

Molok® Classic



**The classic round model** is suitable for many kinds of environments and locations. The container body is made of HD polyethylene.

Takes up 75% less surface area compared to surface containers



\* NB! The dimensions are indicative.



Molok®Domino Product family

MolokDomino Light

MolokDomino Plus

MolokDomino deep collection



MolokDomino containers are especially suitable for:

- residential properties and areas
- recycling and regional collection points
- schools, day-care centres, hospitals, care homes, sheltered housing
- hotels, shopping centres, sports centres, sports parks
- harbours, beaches, rest areas, graveyards, campsites

	Capacity	Container division options	Dimensions of the opening max.	Lifting equipment options	Additional information
<b>Molok®Domino</b> 	5 m <sup>3</sup>	1/1	500 x 500 mm	Lifting bag	Body material fibre-reinforced concrete
	2,4 m <sup>3</sup>	1/2	430 x 370 mm	Reinforced lifting bag for glass	
	3,2 m <sup>3</sup>	2/3	500 x 500 mm		
	1,6 m <sup>3</sup>	1/3	290 x 390 mm	Lifting containers: KS1/1, 2/3, 1/2, 1/3 and 1/6	
	3 m <sup>3</sup>	1/1	500 x 500 mm		
		1/2	290 x 390 mm		
<b>Molok®Domino Plus</b> 	3 m <sup>3</sup>	1/1	500 x 500 mm	Lifting bag	Body material HD polyethylene
	1,5 m <sup>3</sup>	1/2	430 x 370 mm	Reinforced lifting bag for glass	
	2,2 m <sup>3</sup>	2/3	500 x 500 mm		
	0,5 m <sup>3</sup>	1/3	290 x 390 mm	Lifting container KS 1/3 Top or 2 x KS 1/6 Top	
					1/3 is always with lifting containers; KS 1/3 Top, or 2 x KS 1/6 Top

NB! The dimensions of the body do not include the framing. The dimensions are indicative.

	Capacity	Container division options	Dimensions of the opening max.	Lifting equipment options	Additional information
<b>Molok®Domino Light</b> 	2 m <sup>3</sup>	1/1	500 x 500 mm	Lifting bag	Body material HD polyethylene
	1 m <sup>3</sup>	1/2	430 x 370 mm	Reinforced lifting bag for glass	
	1,5 m <sup>3</sup>	2/3	500 x 500 mm		
	0,5 m <sup>3</sup>	1/3	290 x 390 mm	Lifting container KS 1/3 Top or 2 x KS 1/6 Top	

NB! The dimensions of the body do not include the framing. The dimensions are indicative.

# Molok® Domino Adaptability and flexibility

**Opening**  
A designated opening, e.g. for cardboard

**Drum lid**  
The drum lid's locking feature lets you control who uses the container. A drum lid with an electric lock lets you monitor collection, keep track of waste accumulation and optimise invoicing.

**Standard lid**  
Different main lid sizes and collection volumes for different waste types, such as mixed waste, paper, plastic, glass, metal, cardboard and biowaste.

Increasing collection capacity later is easy with a **MolokDomino Light** surface container.

A three-unit station can be divided in up to **343** ways

**Adaptability and flexibility**

- Flexible collection capacity dimensioning
- Division can be changed easily as collection needs change

## Molok® Domino Drum lid

- HDPE is a hygienic material and is easy to keep clean
- The drum lid is light and easy to use but still very durable

### Available sizes

1/1  
Drum lid

2/3  
Drum lid



The drum cylinder is completely protected from water.

### Changing needs



1/1



1/2 + 1/2



1/3 + 2/3

The perfect solution for biowaste

Easy-to-divide modules for adapting collection capacity as needed. Waste container modules can also be divided later.

### Drum options



- 35 litres** HDPE
- 60 litres** HDPE (standard)
- 80 litres** Aluminium

### Service hatch



**Service hatch** as a standard

- located at the back of the lid
- to enable visual inspection
- equipped with a triangular lock

### Filling lid



The easy-to-use filling lid is equipped with a magnetic catch, that keeps the filling lid open when waste is being put into the container.



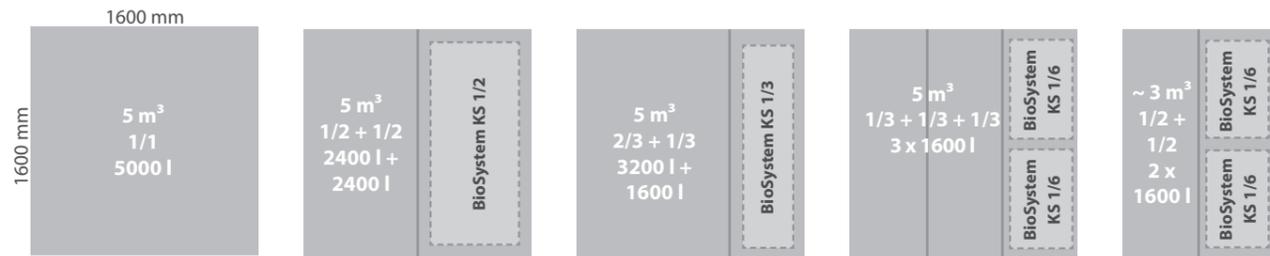
# Molok® Domino Accessories

## Lid options

The colour is black.  
The colour options for filling lids are shown on page 16.



## Division options for lifting bags and bio containers



**MolokDomino 5 m<sup>3</sup> entire body 1/1**  
• For mixed waste, paper, cardboard, plastic packaging and textiles

**MolokDomino 5 m<sup>3</sup> divided 1/2**  
• For mixed waste, paper, cardboard and plastic packaging  
• Biowaste collection 2,000 l

**MolokDomino 5 m<sup>3</sup> divided 2/3 + 1/3**  
• For mixed waste, paper, cardboard, metal, glass, plastic packaging and textiles  
• Biowaste collection 1,000 l

**MolokDomino 5 m<sup>3</sup> divided 1/3**  
• For mixed waste, paper, metal and glass  
• Biowaste collection 1,000 l or 2 x 500 l

**MolokDomino 3 m<sup>3</sup> divided 1/2**  
• For mixed waste, paper, metal, glass, biowaste  
• Biowaste collection 1,000 l or 2 x 500 l

## Lifting alternatives

### Lifting bags



### Lifting containers





Molok® Classic  
Product family



- Molok® products are trusted at thousands of locations**
- residential areas, housing companies
  - schools, day-care centres, hospitals, sheltered housing, care homes and hotels
  - recycling and regional collection points
  - sports parks, sports centres, shopping centres
  - harbours, beaches, rest areas, graveyards and campsites

	Capacity	Container division options	Dimensions of the opening	Lifting equipment options	Suitable waste types
<p><b>Molok® Classic 5 m<sup>3</sup></b></p>	<p>5 m<sup>3</sup></p> <p>2,4 m<sup>3</sup></p>	<p>1/1</p> <p>1/2</p>	<p>Opening size min. 100 x 350 mm, max. Ø 600 mm</p>	<p>Lifting bag</p> <p>Reinforced lifting bag for glass</p> <p>Lifting container KSS5</p>	<p>Mixed waste, paper and cardboard + plastic packaging</p>
<p><b>Molok® Classic 3 m<sup>3</sup></b></p>	<p>3 m<sup>3</sup></p>		<p>Opening size min. 100 x 350 mm, max. Ø 450 mm</p>	<p>Lifting bag</p> <p>Reinforced lifting bag for glass</p> <p>Lifting container KSS3</p>	<p>Mixed waste, paper, cardboard, metal and glass + plastic packaging</p>
<p><b>Molok® Classic 1,3 m<sup>3</sup></b></p>	<p>1,3 m<sup>3</sup></p>		<p>Opening size min. 60 x 265 mm, max. Ø 300 mm</p>	<p>Lifting bag</p> <p>Reinforced lifting bag for glass</p> <p>BioSystem KS 800/1300 for collecting biowaste</p>	<p>Litter (parks), glass, metal and biowaste</p>

NB! The dimensions of the body do not include the framing. The dimensions are indicative.

	Capacity	Container division options	Dimensions of the opening	Lifting equipment options	Suitable waste types
<p><b>Molok® Classic 800 l</b></p>	<p>800 l</p>		<p>Opening size min. Ø 170 mm, max. Ø 250 mm</p>	<p>Lifting bag</p> <p>Reinforced lifting bag for glass</p> <p>BioSystem KS 500/800 lifting container for collecting biowaste</p>	<p>Litter (parks), glass, metal and biowaste</p>
<p><b>Molok® Classic Plus</b></p>	<p>3 m<sup>3</sup></p>	<p>1/1</p>	<p>Opening size min. 100 x 350 mm, max. Ø 600 mm</p>	<p>Lifting bag</p> <p>Reinforced lifting bag for glass</p>	<p>Mixed waste, paper, metal and glass</p>
<p><b>Molok® Classic Light</b></p>	<p>2 m<sup>3</sup></p> <p>1 m<sup>3</sup></p>	<p>1/1</p> <p>1/2</p>	<p>Opening size min. 100 x 350 mm, max. Ø 600 mm</p>	<p>Lifting bag</p> <p>Reinforced lifting bag for glass</p>	<p>Mixed waste, paper, metal and glass</p>

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# Molok® Classic Accessories

## Lid options



The colour is black. The colour options for filling lids are shown on page 16.

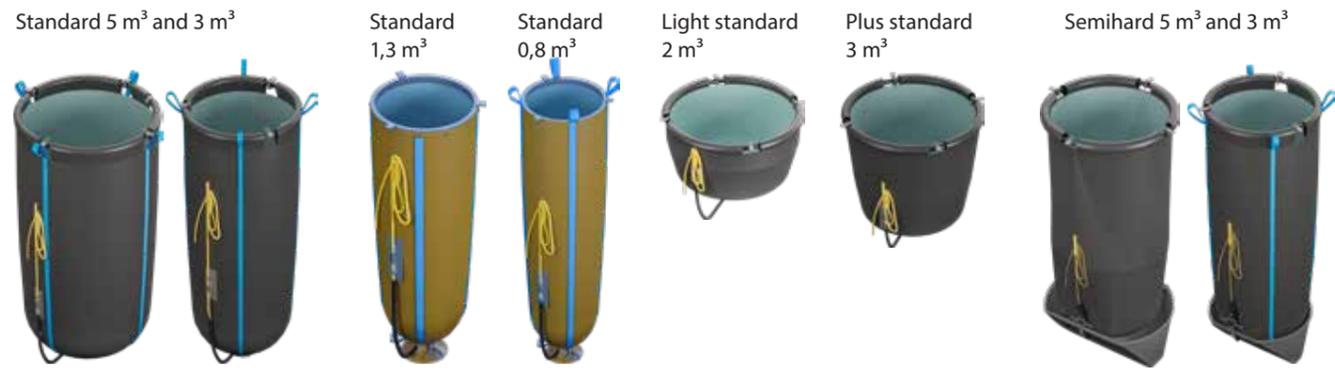
## Molok® Drum lid

- Drum lid for 5 m³ and 3 m³ MolokClassic containers
- Made of HD polyethylene, which is durable and easy to care for
- The size of a standard drum is 60 l. Also available with 35 l and 80 l drums.
- The filling lid can be locked using a mechanical lock or an electric Access Control lock.
- The light and easy-to-use filling lid is equipped with a magnetic catch that keeps the filling lid open when waste is being put into the container. The filling lid's locking feature lets you control who uses the container.
- Changing the electric lock's battery and monitoring the amount of waste is easy thanks to the service hatch at the back of the lid.
- Suitable for the collection of mixed waste, glass, metal, paper and textiles.



Service hatch as a standard

## Lifting bag and lifting container options



BioSystem KS800/1300    BioSystem KS500/800    KSS5 lifting container    KSS3 lifting container



- BioSystem lifting containers:**
- For collecting biowaste, metal and glass
  - 800 l lifting container for a 1.3 m³ container
  - 500 l lifting container for a 800 l container
  - BioSystem 800/1300 also available as a 2-hook version

- KSS lifting containers:**
- 4,200 l lifting container for a 5 m³ container
  - 2,500 l lifting container for a 3 m³ container

- Lifting options for KSS lifting containers:**
- Quick lifting equipment/one-point lifting as a standard feature
  - Kinshofer, 2-hook and lifting loop models also available.

- Practical guidelines**
- When you collect glass > Use a reinforced glass bag or a lifting container. The maximum volume for collecting equipment is 3 m³.
  - Always use a lifting container when collecting biowaste. Especially the BioSystem containers have been designed for collecting organic waste.
  - When you collect plastic > Use a bag or lifting container that is as big as possible.
  - When you collect cardboard > Use a bag that is as big as possible.



**Molok® Classic**  
**Molok® Domino**  
Accessories



**Framing options**

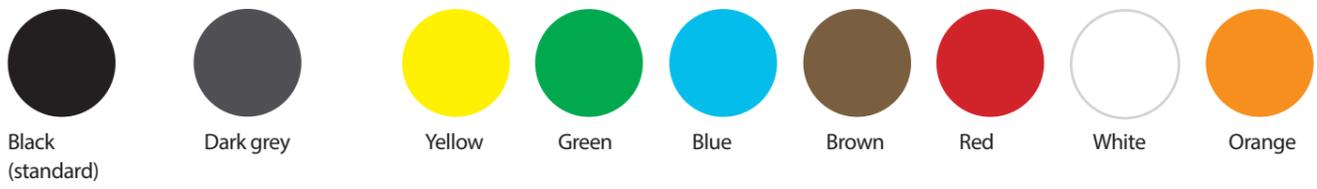
				
Composite Night Sky Black	Composite Chestnut Brown	Composite Stone Grey	Composite Pearl Grey	Composite Autumn Brown
				
Aluminium (natural)	Painted Aluminium (standard colour dark grey RAL 7024)	All colours of the RAL Classic colour chart	Print framing • Can be done using the customer's own print material	

**Waste type symbols for signs**

Waste type symbols make it easier to sort and recycle waste: each waste type has its own symbol. Symbols encourage people to recycle. Once waste containers have been clearly marked, it's easy to sort waste.



**Colour options for filling lids**



Colours are indicative.

**Filling lid locking**



Integrated oval cylinder lock

Mechanical, key-operated locks and electric locks that can be opened with a tag or a smart card are available for the filling lids of Molok products.



Access Control lock

Electric locks, along the accompanying software, let you limit and monitor the use of the container and control the locks remotely.



# Installation and emptying

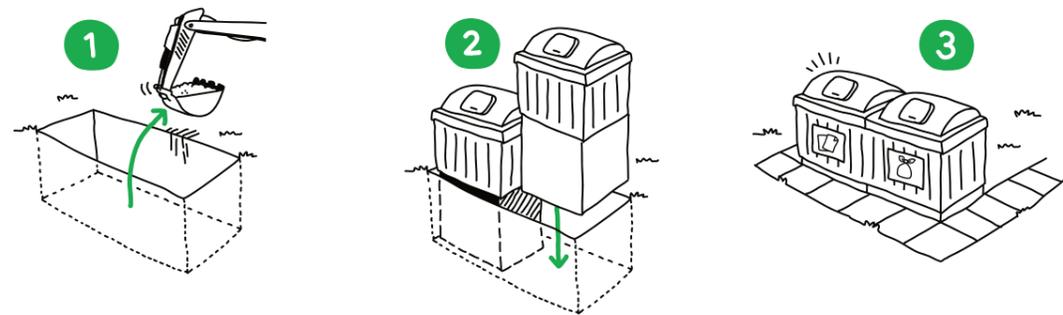
## Installation

Molok Deep Collection containers are installed partially underground. Depending on the product, installation depth varies from 0.5 to 1.6 metres. Molok product range also includes surface containers, which are not installed underground. Written installation instructions are provided with all containers.

When choosing an installation location, the space required for emptying and the emptying truck

itself, the distance from the surrounding buildings and access to the containers should all be taken into account.

Molok containers are installed by authorised installation partners. A Molok Ltd representative will act as a contact person between the customer and the installer.



## Emptying

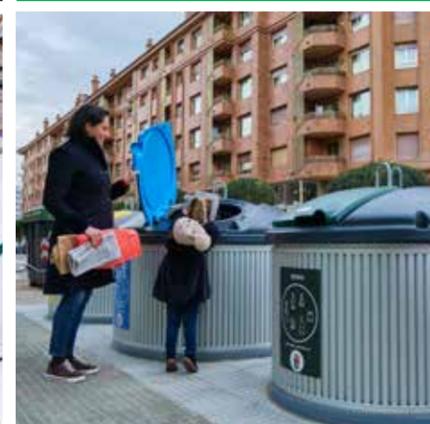
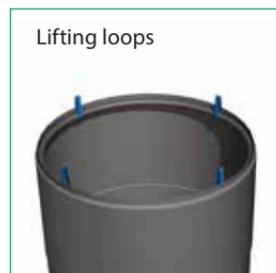
Molok Deep Collection containers are emptied by using the emptying truck's crane.

The container contains a lifting bag or lifting container that is lifted out of the container for emptying by using the emptying truck's crane. The waste in the lifting bag or lifting container is emptied into the emptying truck by releasing the locking mechanism at the bottom of the bag or container.

After emptying, the lifting bag or container is lowered back into the container.

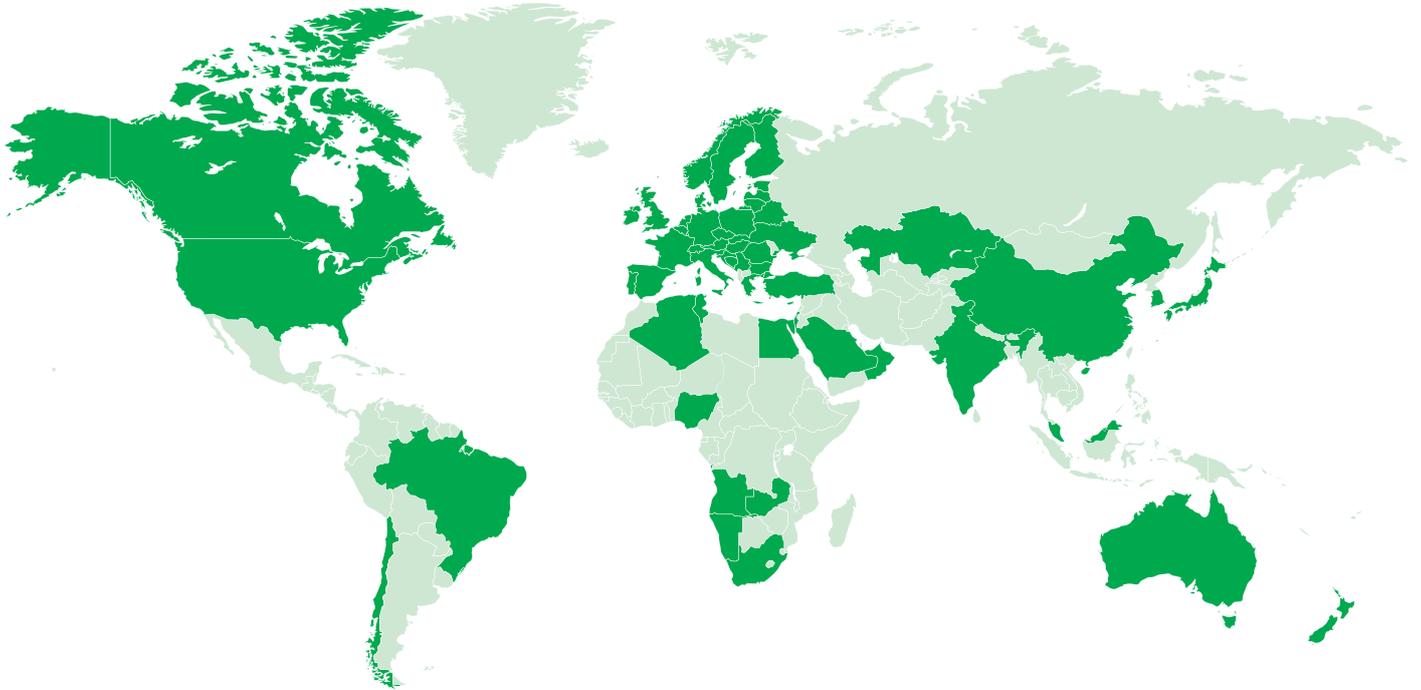
Emptying by crane is quick, and the ergonomics for the employee carrying out the emptying are better than when emptying traditional surface containers.

The lifting options for the lifting containers are listed below. 1-hooks and lifting loops are available for lifting bags.





**Molok<sup>®</sup>**  
**worldwide**  
200 000+ containers  
45+ countries



Molok Ltd's operations have quality (ISO 9001), environmental (ISO 14001) and occupational health and safety (ISO 45001) certification.

**MOLOK<sup>®</sup>**

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