

Container transportation and handling

Handle the containers with care. Lift the containers only from the lifting loops, attaching lifting aids of at least 1,500 mm to them. NOTE! After installation, the lifting loops must be removed from the containers.

Contents of the delivery

Lids, quick systems and lifting bag are generally on top of the main well in assembled deliveries. Lifting containers are delivered inside the main well. Small parts, along with the picture of the ordered container group, can be found in the accessory box. **If the lids are delivered separately from the containers, remove the lids from the crates. The wooden crates are intended solely for transportation and are not suitable for storing lids, quick systems, or lifting bags. The correct place for storing the lids is on top of the container. If the lids, quick systems, and bags are bundled together with a tight band, make sure to remove the band immediately after transportation.**

Installation site

Position the container so that there is enough space around and above the container for emptying. Take into account the space required by the emptying truck. Take into account branches, air cables, etc., according to Molok Ltd's recommendations. The distance between the container and fixed structures must be at least 500 mm. If the structure includes eaves, the 500 mm distance must be measured from the outer edge of the eaves. Take into account access to the container by the emptying truck and for maintenance also in winter conditions. If the containers are equipped with a hinged lid (1/3), take into account the space required for opening the hinge (50 cm). Observe fire safety and consult the fire department to determine a safe installation location, if needed.

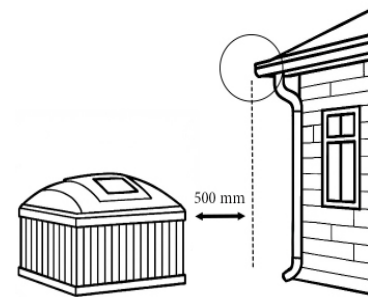


Image 1. Distance to eaves

Installation

MolokDomino Plus containers are installed at a depth of 500 mm and in group installations, the containers are fastened to each other at the top. The containers are delivered with framing, but the extension pieces of framing and the extension cover pieces are to be fastened in place only after the ground works are completed at the installation stage. The sides between containers are not framed.

The small parts and fastening accessories needed are in a separate accessory box. The lifting loops attached to the container are intended for lifting and moving the container at the installation site. They must be removed after installation prior to using the containers.

1

Dig a 500 mm installation pit for the Molok® Domino Plus container. The pit must be 2,400 mm wide. For group installations, the length of the pit is determined as follows:
1,690 mm x number of containers + 800 mm.
Carefully level the bottom of the pit with 0/16mm crushed gravel. Check that the base is straight by using a spirit level or line laser and compact the ground carefully.

2

If the bottom anchors are loose, attach them to the container inserts with bolts, tightening the bolts to max. 25 Nm.

3

Lift the container into the pit using the lifting loops.
NOTE! Remove the lifting loops after installation.

4

Leave a 45 mm gap between the metal strips of adjacent containers. Align the front sides of the containers and check that the container group is straight, using a mason line. Use a spirit level to check that the containers are vertical. Attach the containers to each other with the U-profile parting strip included in the delivery. See Image 3. The parting strip must be drilled through the edge support frame and fastened at eight points with pop rivets included in the delivery.

The same installation method applies to installing Molok® Domino Plus containers in the same group with other Molok® Domino Light products.

5

Fill the pit as instructed in Image 2. If needed, use a light plate compactor to compact the soil layers at 200 mm intervals. We recommend using a max. 100 kg round compactor plate. Make sure that surface water flows away from the containers.

6

Remove the plastics that protect the framing and lid.

7

After filling the pit and fastening the parting strip, finalize the framing;
First, install the upper extension piece (A) by attaching it from the top through the support profiles of the framing to the well. Ensure that it is installed straight. Then attach the lower extension piece to the aluminium support profiles of the framing with rivets. Note that the lower extension piece is not attached to the well. The upper extension A is installed behind part B. Make sure that the rivet recesses of the lower extension piece, B are installed below the upper extension so that the extension piece A has room to move.

- **Do not attach the extension pieces (A, B) directly to the framing boards**



Image 2. Filling the pit
A. Finishing layer, 100 mm
B. Anchoring layer, gravel 0/32, 400 mm
C. Levelling layer, crushed gravel 0/16, min. 50 mm



Image 3. Attaching the U-profile strip

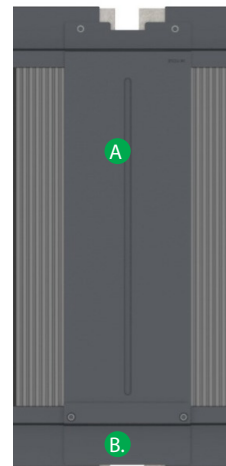


Image 4. Finishing the framing

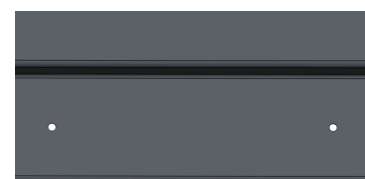


Image 5. Framing extension piece A

8

The closing mechanism of the lifting bag may open during transport. Lift the lid + bag set from the container and check that the bottom of the lifting bag is closed tightly and the rope is in place according to the instructions on the bag. Lower the bag back into the container and put the lid in place. When placing the bag back into the container, check through the filling lid that the bag fits properly along the sides of the container. For example, you can use a street brush or other blunt piece of wood and carefully place the bag along the sides of the container. Do not use metal or sharp objects to insert the bag.

9

Install the right lid and bag in the right position in the container group. The correct installation location within the group is marked both on the container bodies and the lid sets. In divided containers, installing the lid in the right place is important for the functioning of the product. If two 1/6 lifting containers are to be installed on the site, they must be placed at the end of the group of containers on the support reserved for them. The side hinge and its stop chain are attached to the lid. Note that opening the lid requires approximately 50 cm of free space beyond the edge of the container.

Installation of the side hinge: Attach the hinge parts of the side hinge lid and container with 8 mm bolts. The side hinge stop chain is already attached to the support beam in the container. Attach the other end of the chain to the lid with a 6x 30 mm locking bolt as shown in image 6.

If the 1/6 containers are used for collecting biowaste, put the disposable biowaste bag, included in the delivery, in place and fasten it with the rubber band from the accessory box.

No side hinge or disposable biowaste bag is used in the 1/3 lifting container.

10

Finish the installation site and make sure that the extension covers for the framing of the tanks are installed, the lids are in the right places and are correctly positioned on top of the bodies and the bags fit the shape of the containers.



Image 6. Installation of the side hinge chain and disposable bag

Impact of soil type on the installation method

1. Anchoring the container to dry or slightly moist soil

Make sure that the soil type is water permeable, such as sand, silt, gravel, moraine, etc. Complete the installation according to the instructions above. If the soil type seems to have poor drainage, or surface water may accumulate at the installation site, consider installing the containers according to point 3 below.

2. Anchoring the container to wet soil or soil with clay

Use a filter cloth, of at least class N1, in the installation pit. Spread out the filter cloth on the bottom of the pit under the levelling layer. Check that no rocks are laid against the cloth as they may break the material. Make sure to spread the filter cloth to properly cover the sides of the pit. Fasten the bottom anchors to the container as instructed on page 1. Install a plywood plate (# 15 mm, 820x300 mm) as an extra anchor between each two bottom anchors. Install the plywood on top of the bottom anchors so that the centre inner edge of the plate is supported by the lower part of the container frame and the outer edge is in line with the bottom anchors. Fasten the plywood plate by screwing it at both ends to the bottom anchors (e.g. with 4x40 mm screws). If necessary, install subsurface drainage on the bottom of the installation pit under the levelling layer. Complete the installation as instructed in the points above.

3. Installing at a very wet site

A very wet soil means significant amount of water accumulates in the installation pit during installation. Use crushed gravel, for example 0/16 mm, for the levelling layer. Cast max. 400 mm ready-mixed concrete (for example K30, #16 mm, S3) on the gravel, and around the container, just enough to cover the anchor feet with concrete. Make sure that the container does not move when the concrete is cast. Finish the filling of the surroundings as instructed in point 5 on page 1. If necessary, install subsurface drainage on the bottom of the installation pit under the levelling layer. Finish the installation as instructed on page 1.

If the height of the groundwater is more than 0.5m above the bottom of the container, and the water cannot be diverted from the installation pit to another location, e.g. with the help of drainage, the containers must be relocated to a drier area.

Instructions are made in Finland. Always follow local laws and regulations and follow good installation practices. Pay attention to different soil types at different locations. Contact your local dealer for further information. Contact info available at www.molok.com.