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PRODUCT DATA SHEET Hiltra®: Chemotainer model CT 6 1100-H



Size Chemotainer model CT 6 1100-H

Article number	CT6C01100
Dimensions W x D X H external mm	4210 x 1390 x 3739 mm
Box dimensions W x D x H mm	3880 x 1300 x 1490 mm
Storage capacity	6x IBC or 6x chemical or 8x euro pallet
Load capacity of slatted floor	3700 kg per layer, distributed load
Drip tray collection capacity	1100 litres
Weight	approx. 1350 kg

Specifications Chemotainer model CT 6 1100-H

Version 2.1 | 19-04-2021

HILTRA® CHEMOTAINER-TM WITH SLIDING DOORS

Basis of calculation:

- Structural strength calculation (for the chosen application) according to the Buildings Decree and the European and Dutch standards below for steel structures and when anchored to a level and levelled concrete floor.
- NEN-EN 1990+A1/C2:2011 Eurocode 0 - Basis of structural design, including national annex NB:2011. Some basic parameters: design life 15 years, impact class CC1.
- NEN-EN 1991-1-1+C1:2011 Eurocode 1: Loads on structures - Part 1-1: General loads - Volumetric weights, dead weights and imposed loads for buildings, including national annex NB:2011.
- NEN-EN 1991-1-3+C1:2011 Eurocode 1: Loads on structures - Part 1-3: General loads - Snow loads, including national annex NB:2011.
- NEN-EN 1991-1-4+A1+C2:2011 Eurocode 1: Loads on structures - Part 1-4: General loads - Wind loads, including national annex NB:2011. Some basic parameters: Wind area 2, Terrain category II, unbuilt.
- NEN-EN 1993-1-1+C2:2011 Eurocode 3: Design and calculation of steel structures - Part 1-1: General rules and regulations for buildings, including national annex NB:2011.
- NEN-EN 1993-1-8+C2:2011 Eurocode 3: Design and calculation of steel structures - Part 1-8:

Design and calculation of connections, including national annex NB:2011.

Execution:

- Suitable for two-layer storage of (palletised) packaged hazardous substances.
- Fixed welded storage layers (the standard useful height distribution per layer can be changed on request).
- Load-bearing capacity of the grid floor per storage bay up to 1,250 kg/m² with evenly distributed load.
- Point load of the grid floor up to 250 kg measured on a surface of 200x200 mm.

Main load-bearing structure:

- Welded, steel main support structure manufactured in plain steel SA2.5 blasted and preserved with a 100 µm Acraton zinc phosphate epoxy coating in RAL 7005/grey.

Enclosure:

- Roof, walls and sliding door leaves manufactured from ALUzink AZ185 sheet piling.
- Outer colour: (aluminium) grey.
- Finishing profiles of sendzimir galvanised steel.

Sliding door(s):

- Chemotainer™ model CT4, CT8 and CT12 executed with two-part, manually operated sliding door with handles and centrally lockable with padlock incl. 2 keys.
- Sliding doors are hung on galvanised rails on double adjustable runners.
- Sliding doors are guided over the entire width at the bottom over a guiding profile.

Swing door(s):

- Chemotainer™ model CT6 carried out with two-part, manually operated wing door lockable with espagnolette with handle with built-in lock incl. 2 keys.

Drip trays:

- First storage layer provided with removable, liquid-tight welded drip trays made of blank steel plate. SA2,5 sandblasted and preserved with a 100 µm Acraton zinc phosphate epoxy coating in RAL 7005/grey.

Grid floors (on drip tray and second layer):

- Drip tray(s) and 2nd storage layer fitted with removable, galvanised grid floor segments, type R2.40/30x60 mm.
- Load capacity 1,250 kg/m² with evenly distributed load, point load 250 kg on a surface of 200x200 mm.

Ventilation openings:

- Natural ventilation and de-aeration through diametrical ventilation slots (high/low).

Earthing, anchoring:

- Standard equipped with base plates for anchoring to the foundation (excluding anchors).
- Grounding option via footplate and foundation anchor.

Lifting facility:

- Standard equipped with four lifting eyes on the roof surface for the sole purpose of craning the unit empty.

Hazard identification:

- Hazard indication by pictograms Ø or ? 200 mm, symbol: "smoking and open fire prohibited" and "flammable substances" (other pictograms available on request).

Construction options:

- Option A1: exterior, except for the top of the roof, painted in a different standard colour to be determined.
- Option G: drip tray fitted on the inside with a fibreglass-reinforced polyester coating to protect it against chemical attack. Resistance list on request.