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PRODUCT DATA SHEET Hiltru®: Chemotainer model CT 4-1100 (ISO)



Size Chemotainer model CT 4-1100 (ISO)

Article number	CT4CI1100
Dimensions external WxDxH	3005 x 1600 x 3735 mm
Box dimensions BxDxH	1350 x 1400 x 1500 mm
Storage capacity	4x IBC
Collection capacity	1100 litres
Load capacity of slatted floor	1250 kg/m ²
Weight	1270 kg
Door	Lockable sliding doors

Specifications Chemotainer model CT 4-1100 (ISO)

Version 1.3 | 28-11-2018

[Chemotainer™ ISO compartments \(sliding doors\)](#)

Basis of calculation:

- Structural strength calculation (for the chosen application) in accordance with the Buildings Decree and the following European and Dutch standards 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 - Masses, 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.

Design:

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

Main Bearing Structure:

- Welded steel main frame manufactured in SA2.5 bright steel and treated with a 100 µm Acraton zinc phosphate epoxy coating in RAL 7005/grey.

Housing:

- Roof, walls and sliding doors based on 40 mm aligned ALUzink AZ185 sandwich panels (0.40/0.55 mm board thickness) with a core of insulating (H)CFC-free PIR-Plus rigid foam.
- Fire behaviour classification: B, s2-d0 (flame retardant according to EN 13501-1).
- Insulation value [W/m²K]: 0, 70 (according to EN 150-10211).
- Sound reduction value: approx. 25 dB(A).
- Corner and finishing strips and fixings on the outside in the same finish as the panels.

Sliding door(s):

- ChemotainerTM model CT4, CT8 and CT12 executed with 2-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 at the bottom over the entire width over a guiding profile.

Wing door(s):

- ChemotainerTM model CT6 executed with two-part, manually operated hinged door with espagnolette lock and handle with built-in lock incl. 2 keys.

Drip trays:

- First storage layer provided with removable, liquid tight welded drip tray(s) made of blank steel plate.
- Drip tray degreased and coated with approx. 80 µm zinc phosphate epoxy coating in RAL 7040/window grey.

Grid floors (on drip tray and second layer):

- Drip tray(s) and 2nd storage layer provided with removable, galvanised grid floor segments, type R2.40/30x60 mm.

Ventilation openings:

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

Grounding, anchoring:

- Standard equipped with base plates for anchoring to the foundation (excluding anchors).
- Earthing via the base plate and foundation anchor.

Lifting facility:

- Standard equipped with four lifting eyes on the roof surface to allow the unit to be craned empty.

Hazard indication:

- 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 standard colour of your choice.
- Option G: drip tray fitted on the inside with a fibreglass-reinforced polyester coating to protect it against chemical attack. Resistance list on request.