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PRODUCT DATA SHEET Hiltra®: Chemotainer model CT 4-1100 H



Size Chemotainer model CT 4-1100 H

Article number	CT4C-01100
Dimensions BxDxH external mm	approx. 2990 x 1585 x 3735 mm
Box dimensions WxDxH mm	Approx. 2800x1300x1490 mm (4x)
Storage capacity	4x IBC or 4x pallet (euro/block/chemical)
Load capacity of slatted floor	approx. 1250 kg/m ² distributed load
Drip tray collection capacity	approx. 1100 litres
Weight	approx. 1100 kg

Specifications Chemotainer model CT 4-1100 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.