

Created on: 03-07-2024 09:51:36 |  
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**PRODUCT DATA SHEET Hiltra®: Chemosaver F60 model CS-D-4 (2 levels of storage)**



Size Chemosaver F60 model CS-D-4 (2 levels of storage)

Article number	CSD405000
Dimensions external WxDxH	approx. 3528 x 1855 x 3814 mm
Internal dimensions WxDxH	approx. 1281 x 1300 x 1440 mm (4x)
Storage capacity	4x chemical pallet / 4x IBC / 4x block pallet / 4x euro pallet / 16 drums 200L
Load capacity per pair of beams	2500 kg
Collection capacity 1st layer	approx. 1100 litres
Weight	approx. 3420 kg
Assessment Efectis	whole unit: 2013-Efectis-R0103.148/BGG/TNL

**Specifications Chemosaver F60 model CS-D-4 (2 levels of storage)**

Version 2.2 | 22-12-2021

[HILTRA® CHEMOSAVER- TM CS-D \(E\) SERIES, WITH SLIDING DOORS, \(general\)](#)

**Design/fire resistance:**

- The composite structure has been assessed by the accredited testing institute Efectis & Reg;.
- Efectis fire resistance report: 2013-Efectis-R0103.148/BGG/TNL.
- Designed as an independent fire compartment for the storage of packaged hazardous substances based on the Buildings Decree and the guideline PGS 15: 2016 Version 1.0.
- Fire resistance (WBDBO) 60 minutes determined in case of a fire from outside and a fire from the inside on all criteria of PGS 15:2016 Version 1.0, Regulation 3.2.9.
- Main load-bearing structure determined in accordance with European and Dutch standards:

NEN-EN 1990+A1+A1/C2:2011

Eurocode 0 - Fundamentals of structural design, including national annex NB:2011. Some basic

parameters: design life: 15 years, class of consequence: CC1.

NEN-EN 1991-1-1+C1:2011

European Code 1: Loads on structures - Part 1-1: General loads - Volumetric weights, dead weights and imposed loads for buildings, including national annex NB:2011

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NEN-EN 1991-1-3+C1:2011

European Code 1: Loads on structures - Part 1-3: General loads - Snow loads, including national annex NB:2011.

NEN-EN 1991-1-4+A1+C2:2011

European Code 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

European Code 3: Design and calculation of steel structures - Part 1-1: General rules and regulations for buildings, including national annex NB:2011

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NEN-EN 1993-1-2+C2:2011

European Code 3: Design and calculation of steel structures - Part 1-2: General rules - Design and calculation of structures under fire conditions, including national annex NB:2007

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NEN-EN 1993-1-8+C2:2011

European Code 3: Design and calculation of steel structures - Part 1-8: Design and calculation of connections, including national annex NB:2011:

That is to say, the European Code of Practice for the design and calculation of steel structures.

#### **Execution:**

- Suitable for the multi-layer storage (number of layers depending on model) of packaged hazardous substances
- Storage layers formed by separate pallet rack(s) with height-adjustable shelves
- Racking units galvanized; RAL 5010/blue beams.
- Shelf performed in accordance with NPR 5054 and the NEN standard 5051.

#### **Main structure:**

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- Welded steel main supporting structure based on a structural strength calculation (for the chosen application) according to the Building Regulations and the aforementioned European and Dutch standards for steel structures.
- Steel construction manufactured in blank steel, degreased and coated with approx. 80 µm zinc phosphate epoxy coating in the colour RAL 7040/window grey.
- Fire resistance
- Fire resistance on the criterion "failure" (R-60 for main support structures).

#### **Casing:**