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PRODUCT DATA SHEET Hiltru®: Chemosaver F60 model CS-D-12E (2 levels of storage)



Size Chemosaver F60 model CS-D-12E (2 levels of storage)

Article number	CSD12E000
Dimensions external WxDxH	approx. 6488 x 1900 x 3378 mm
Internal dimensions WxDxH	approx. 2700 x 1300 x 1300 mm (4x)
Storage capacity	12x europallets (3 per section)
Load capacity per pair of beams	2500 kg
Collection capacity	approx. 2x 343 litres
Weight	approx. 4966 kg
Assessment Efectis	whole unit: 2013-Efectis-R0103.148/BGG/TNL

Specifications Chemosaver F60 model CS-D-12E (2 levels of storage)

Version 2.2 | 22-12-2021

[HILTRU® 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

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

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

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:

- 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: