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Technical changes and imperfections
reserved.

Specifications Pallet-IBC fire compartments (sliding door)

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[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

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: