

Product Overview

Bergvik's Iso Floor is the strongest and most flexible raised access floor on the market. Iso Floor is a unique floor system that can be adjusted to the conditions you have within your project.

Unlike traditional pedestal raised floors, Bergvik Iso Floor utilises a steel substructure. The assembly consists of 80x40x1.5mm primary and secondary steel beams that are bolted together 90° perpendicular to each other using quick brackets and self-tapping screws.

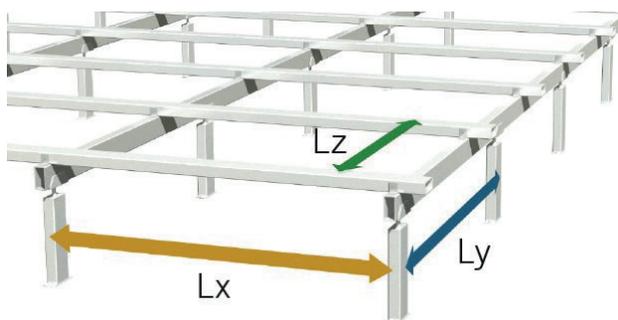
The sub-structure is self-supporting and independent from the floor panel system providing greater lateral stability. The design of both can be adapted to the equipment layout, with panels free to be lifted to gain full access to the under-floor plenum.

Iso Floor's flexible design allows for uniform distributed load up to 50 kN/m². The distance between primary beam sections and pedestals are the factors that control the design load.

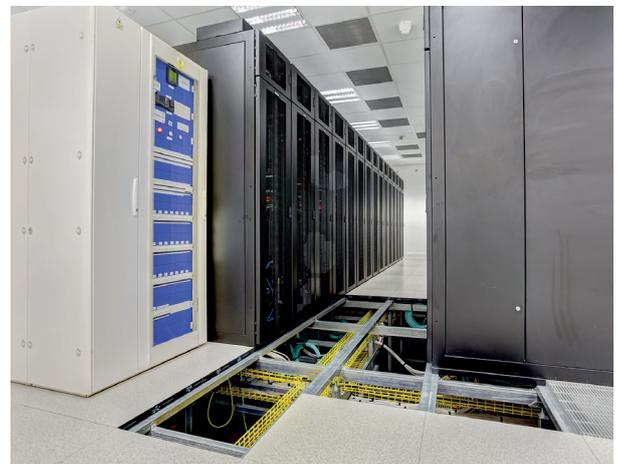
Another benefit of the sub-structure is all heavy equipment, including PDU and CRAH units, are supported directly to the frame. This removes the requirement for costly and bulky equipment stands.

The flexible design can adapt to future demands within the Data Centre; heavier equipment or different server rack footprint can easily and cost effectively be accommodated. To change or reinforce the Iso Floor simply add pedestals and beam sections or change panel sizes.

The sub-structure stays intact - priceless!



The distance between primary beam sections (Lx) and pedestals (Ly) are the factors that control the design load.



Features & Benefits

- Full stability from 300 – 2100 mm FFH
- Can be installed in two deployments due to the rigid and self-supporting steel sub-structure. Panels can be installed at a later stage. No other raised floors offer this value-added feature.
- Standard panel size is 600x600 mm, but to achieve an optimised equipment layout and full access to the under-floor plenum, Iso Floor also offer panel sizes from 315-1200 mm.
- Floor optimisation enables up to 25% more server racks on the same floor space, in comparison to traditional floors
- All heavy equipment is supported directly by the modular and self-supporting sub-structure. No costly and bulky equipment stands are needed.
- Tested and approved in accordance with EN 12825
- Up to 70% fewer pedestals than with conventional 600x600 mm grid floors. This means less obstruction and more space for cable management, etc.
- Two grounding points can ground 100m² of Iso Floor.



Hot dipped galvanized, 80x40mm steel tubing form the sub-structure with primary and secondary beams running 90° perpendicular to each other. Pedestal height can vary and can cope with variations in subfloor height.

Floor Panels



The core of Bergvik's standard floor panels consist of a 38mm high density particle board. A V313 moisture resistant panel core is also available.

To maximise floor optimisation panels are available in custom sizes from 315x600mm up to 1200x600mm.

Panels have a unique direct laminate finish process where it is applied directly to the core, so preventing any de-lamination.

Panels are antistatic, extremely durable and easy to clean. they are also fully recyclable and environmentally friendly.

Features & Benefits

- Custom made panel sizes for maximum optimisation of floor space
- High mechanical strength
- Easy to handle due to it's light weight
- Easy to clean and very resistant to harsh chemicals and battery acid
- Fulfils flame spread requirements in accordance with ASTM-E84
- Direct lamination process provides long life span to the panels
- Environmentally friendly and fully recyclable

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