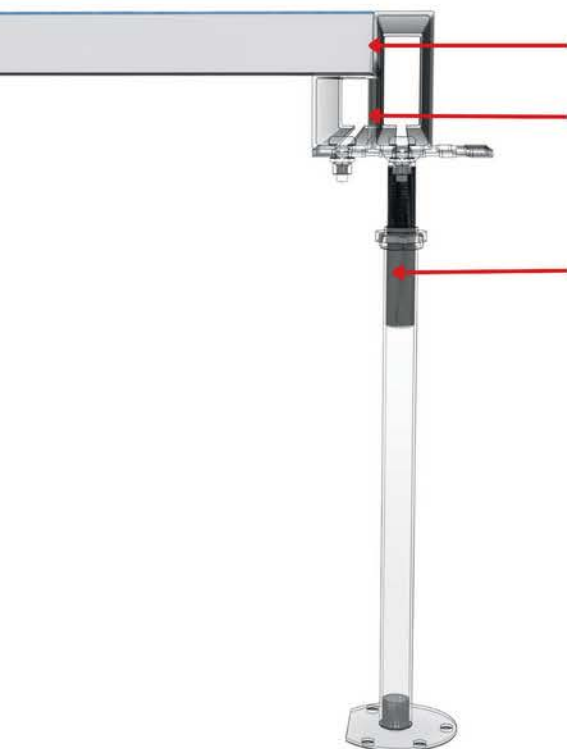




Raised floor for data centers up to 20 kN



SUBSTRUCTURE UP TO 20 KN CONCENTRATED LOAD



Panel

C - profile

Pedestal

- Substructure: Corrosion-resistant steel pedestals with height adjustability.
- C-profiles: Attached to pedestals with hammer head screws (VDE 0100 compliant).
- Benefits: No welding required, fast implementation.
- Frame flexibility: Combine C-profiles of different heights for racks and CRAC units.
- Stability: Construction remains stable even with removed tiles.
- Space utilization: Additional subfloor installation level for cable or air supply.
- Future extensions: Create reserve fields during initial installation, covered with raised floor panels.

CS - head

- Universal
- Installation head
- 3 - 6kN



CF - head

- Frame
- Installation head
- 5 - 20kN



CW - head

- Creating walkways
- 3 - 10kN



C - profile

- Frame form
60 x 60 cm up
to 120 x 120 cm



RAISED FLOOR PANELS



Calcium sulphate panel

- Load bearing 2kN – up to 20kN REI 30
- Natural material
- Non combustible
- Any cover applicable



Chipboard panel

- Load bearing 2kN – up to 15kN REI 30
- Cost-Effective & Sturdy
- Renewable raw material
- Any cover applicable



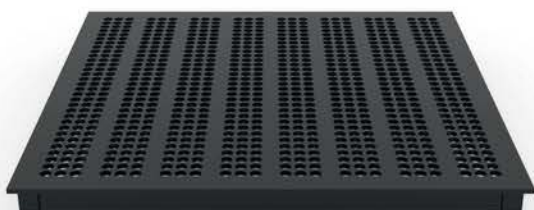
Glass panel

- Load bearing – up to 5kN
- Clarity 100% - crystal clear
- Makes important installations visible

HEAVY DUTY STEEL VENTILATION PANEL

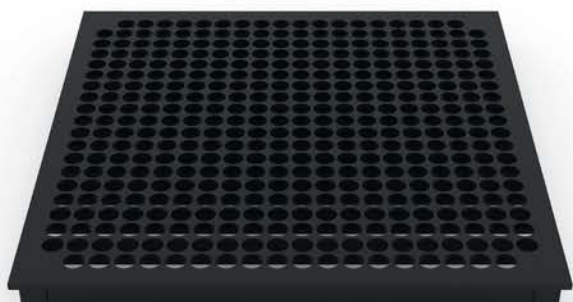
- Precise air flow management
- High load bearing capacity
- Non combustible

20kN Panel

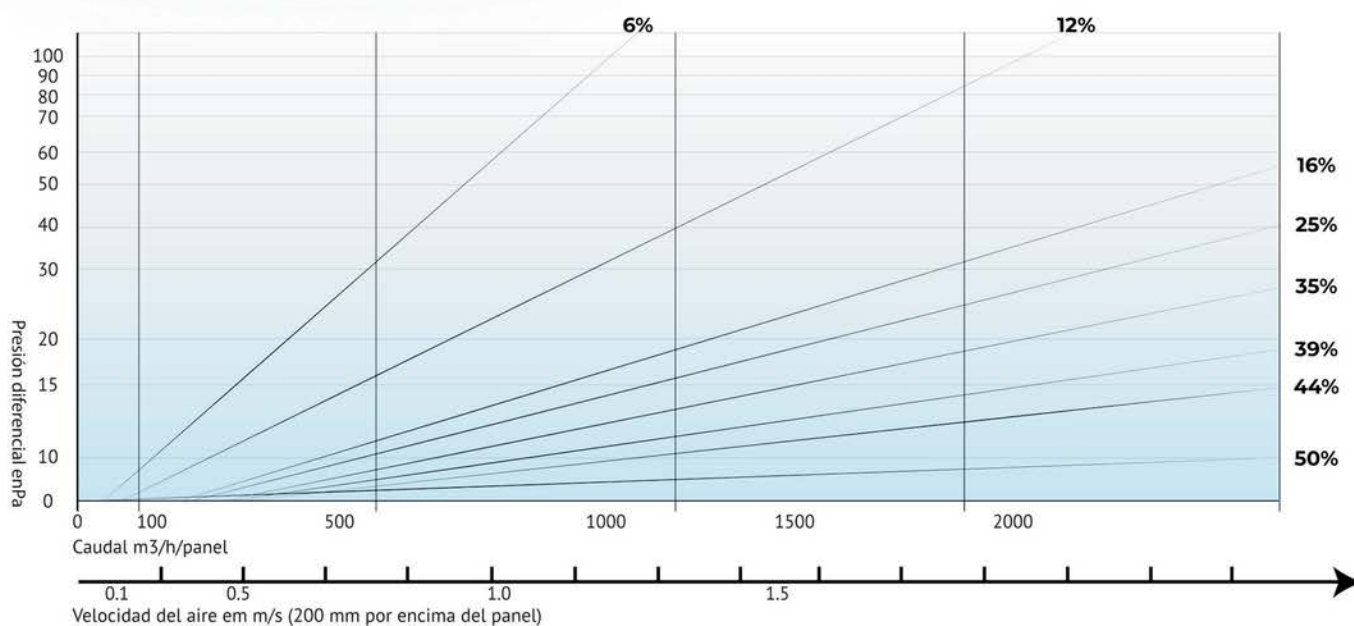


- Free surface from 0% to 36 %
- Up to 20 kN concentrated load according to EN ISO 12825
- Any cover applicable

8kN Panel



- Free surface from 0% to 51,5%
- Up to 8 kN concentrated load according to EN ISO 12825
- Any cover applicable



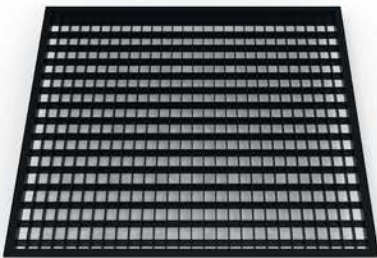
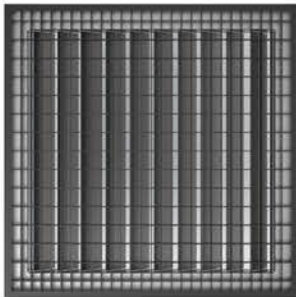
GRILLS AND DAMPERS

Grills

Data center grills



- Load bearing 3 kN up to 10 kN
- Available in any colour powdercoated
- Rigid
- Aluminium grills available
- Optimal for pressure-less aisle containment



Dampers

Airflow management



- Directional airflow management
0°-90° angle
- Free surface from 0% up to 90%
- Adjustable from top
- Fits to every panel and grills



COVERS



CONTAMINATION CONTROL for shoes & wheels

- SUPERIOR PERFORMANCE in attracting, collecting, and retaining particles
- ESD PREVENTION through staticdissipative properties
- EASY CLEANING routine incorporatedinto existing SOP's with minimaldowntime
- EFFICIENCY by requiring no extratraining, processes, or additional timefor use
- SUSTAINABILITY and significantreduction in waste over a 3+ yearlifespan

HPL

- Conductive
- Economic
- Robust



PVC

- Conductive
- Economic
- Robust



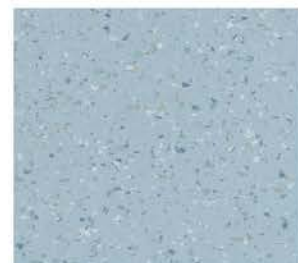
Lino

- Natural
- High value



Rubber

- Conductive
- High value



ACTIVE PANELS



Jet panel

- Air flow – up to 5000 m³/h
- Load bearing - 3kN up to 15kN
- Air supply on demand
- Easy installation, plug and play
- Low power consumption
- No enclosures of cold aisles necessary



Hydrologic panel

- Heat dissipation up to 15 kw
- Load bearing 3kN – up to 20kN
- Water cooling on demand
- 600 x 600 mm fits in standard raised floor
- Low power consumption
- Pulling or pushing for hot or cold aisle
- 450 mm minimal floor height



Hydrologic panel V

- Cooling up to 40 kw
- Load bearing 3kN – up to 10kN
- 1200 x 600 mm
- Pulling or pushing for hot or cold aisle
- Low cooling temperatures possible
- 600 mm minimal floor height

TRADITION PRECISION INNOVATION

Mission

Weiss Doppelbodensysteme GmbH has always been known and appreciated in the market for its innovative approach to assist its partners in tackling any technical challenge occurring in the process of making our world a more technological place.

Opposite common believe, raised floor, especially raised floor made by Weiss Doppelbodensysteme GmbH is not limited to low load bearing capacities. It has been developed and engineered according to the growing load in technical rooms such as data centers.

So, all the benefits and advantages of a raised floor in data centers can be enjoyed with the safety and security of a rigid heavy duty raised floor.

Benefits

- Precise airflow management due to dampers in the steel ventilation tiles and therefore resulting avoiding of hot spots.
- Additional installation level.
- Separate routing of media on top and bottom
- 100% accessibility to the cavity
- Fire resistant due to non-combustible materials.
- Sustainable due to recyclable and recycled materials and longevity of materials.
- Certified quality by SFE, LEED, BREAM, DGNB, ISO 9001; ISO 14001; F30; REI 30: EMICODE; IAC EU; REACH.

Contact us

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