

MERO Access Floor / Air-Conditioning Panels

Innovative solutions from one source

Development

Consulting

Planning

Manufacturing

Installation

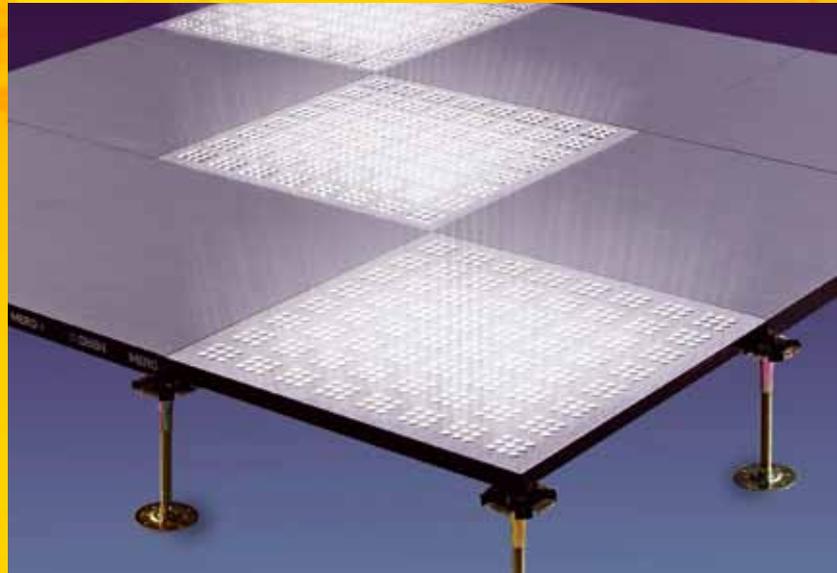
Access floor

Hollow floor

Floor covering and

Installation

Services



MERO®  **TSK**
MERO-TSK International GmbH & Co. KG

Floor systems

Fresh breeze: MERO air-conditioning panels for individual indoor temperature

There are many reasons for the use of an aircondition system in buildings. In the fields of production, research and laboratories it is important to aircondition machines and to maintain constant production conditions. However, in conference and meeting rooms it is necessary to create a healthy and comfortable indoor temperature. Air-conditioning panels in connection with access floor meet these requirements. They provide configurable uniform and draft-free supply/exhaust air. For the indoor climate in office areas special panels with laminar airflow or panels with air outlets are available.

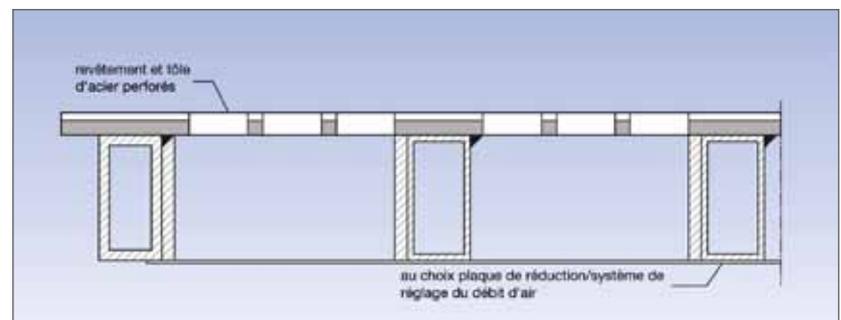
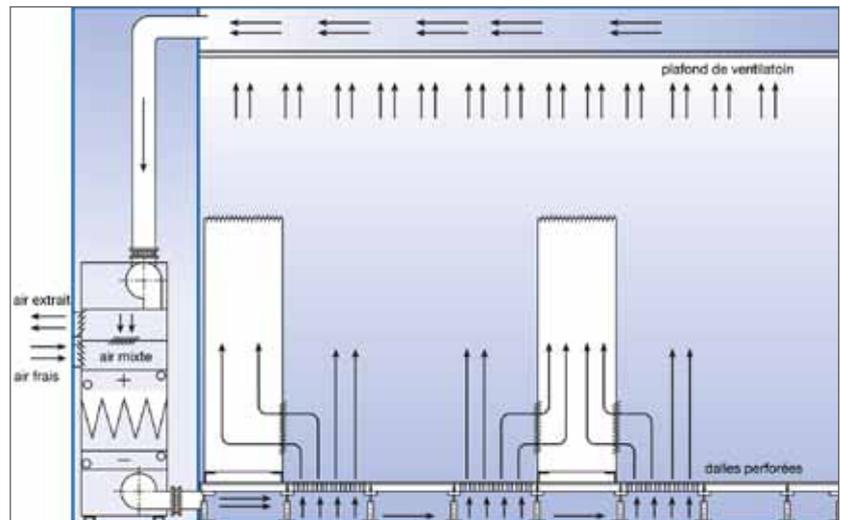
Fields of application

The MERO air-conditioning panels are suitable for

- cleanrooms in the field of research and production
- fields of research and production with low particles requirement
- data centers
- air-conditioning of machinery
- assembly, conference and meeting rooms
- office areas (laminar air flow)

Advantages

- Supply and duct of large air volumes
- variable cross-sections
- compatible with all types of floor systems



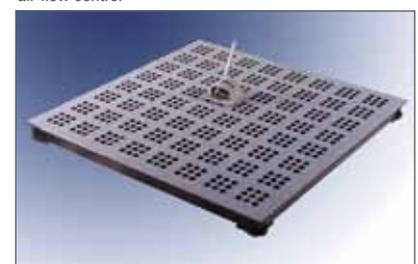
Access floor:

Optimal indoor air-conditioning

According to the current state of technology the optimal air-condition principle for rooms and machinery is the climatisation by means of ventilation panels. This principle takes advantage of the natural behaviour of warmed-up air. The fresh air is passed through the cavity of the access floor and is selectively distributed through the well arranged ventilation floor panels. The warmed-up air to be dissipated is rising by itself and evacuated through the ceiling. Even with full load bearing capacity of the system extreme high airflow volumes can be recirculated. Due to the structural integrity test F30 the personal safety is also given with perforated steel panels.



Rear-side of air-conditioning panel with manual air flow control



Surface of air-conditioning panel with manual air flow control

MERO perforated steel panel

The MERO perforated steel panel consists of welded tubular steel frames provided with perforated steel sheet. The panel is protected all-round with a high-quality abrasion and corrosion proof conductive powder coating. The panels are available with free air-flow from 16% to 40%.

The MERO perforated panels can be applied with vinyl floor coverings or needlefelt carpet.

The same size matching of floor covering and cover steel sheet guarantees maximize edge accuracy.

Air-conditioning panels for cleanrooms

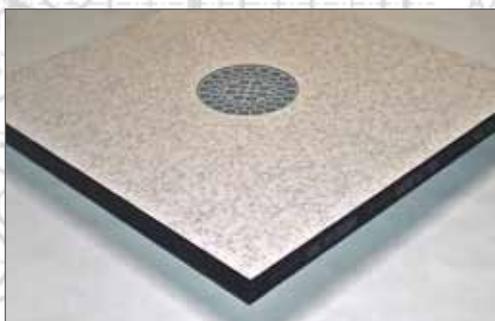
Our air-conditioning panels are suitable for cleanrooms too. Please see our brochure MERO Access Floor/Cleanroom.

MERO panel with laminar airflow

The supply air is pressed through the perforated access floor panels which are provided with air permeable carpet. The MERO ventilation floor has proved especially efficient in meeting and conference rooms. The air condition system is characterized by its low-turbulence air supply and fulfills highest demands for comfort.

MERO air outlet panel

The MERO air outlet panel is preferably be used in office areas. The combination of different hole diameters produces an optimal air turbulence. Up to 4 high-quality synthetic or metal air outlets can be mounted into a floor panel of 600 x 600 mm. The necessary step milling adapted to the floor level is done by MERO-TSK.



Panel with MERO air outlet



Twist-air outlet

Technical data*: Access floor / air-conditioning panels

*For further technical data
please ask for our product data sheets.

Free airflow (FQ) MERO perforated panel

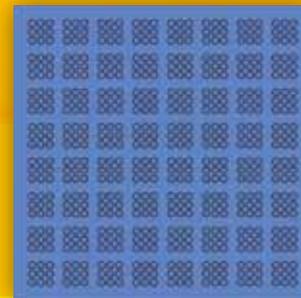
FQ: 16% or 24%

Panel thickness (without covering): from 28 mm
the air-conditioning panel is compatible
with all access floor systems

Weight: 15,9 kg / pc or 15,1 kg / pc

Manual airflow control: possible

Damper: 2,96% or 7,10%



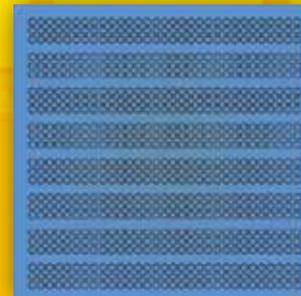
FQ: 32%

Panel thickness (without covering): from 28 mm
the air-conditioning panel is compatible
with all access floor systems

Weight: 14,3 kg / pc

Manual airflow control: possible

Damper: 2,96% or 7,10%



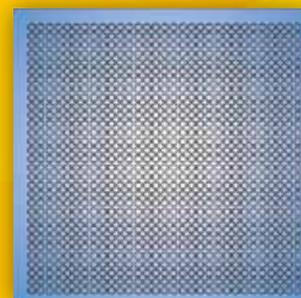
FQ: 40%

Panel thickness (without covering): 44 mm

Weight: 20,3 kg / pc

Manual airflow control: not possible

Damper: not possible



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