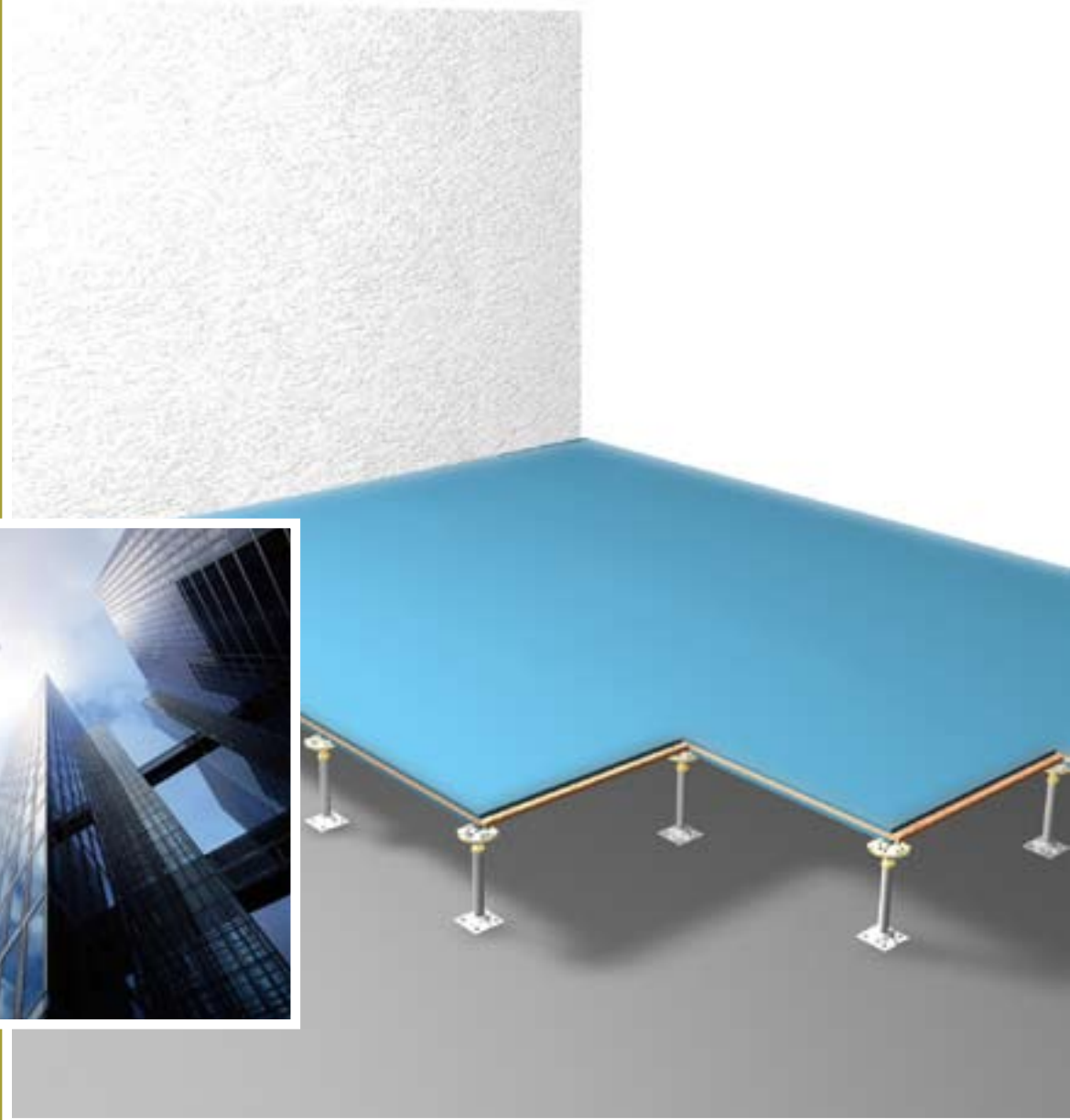


MERO TSK Hollow Floor / Combi T

Innovative solutions out of one hand

Development
Consulting
Planning
Manufacturing
Installation

Access Floor
Hollow Floor
Installation and
Floor Coverings
Services



Fields of Application

The MERO-TSK Hollow Floor Type Combi T is offered in many different variations/ systems. Depending on the requirements of the user, systems are suitable for:

- Offices of low frequency traffic
- Standard office areas
- Offices with high static requirements e.g. public areas as foyers, lobbies, lounges, conference rooms, fitness centers, medical treatment rooms, construction offices
- Industrial floors for stock areas, workshops, libraries

Advantages

MERO-TSK Hollow Floor systems are tested acc. to DIN EN 12 825 and certified by independent laboratories.

- Dry installation, ready for use after a few hours
- High sound absorption value
- High walking comfort
- Fire approval
- Easy installation
- variable construction heights (>1000 mm)

- Non-combustible panels, easy connection to any other floor system
- Unique profiled edges allow the combination of panels with different thicknesses
- High load capacity
- Maximum flexibility on installations in all directions
- Smooth surface suitable for all kinds of coverings

Construction principle

Fibre reinforced mineral panel, panel size 600 x 600 mm, building material class A2, special profiled panel edges interlocked by glue form a perfect surface, no deflection between panel edges, different panel thicknesses.

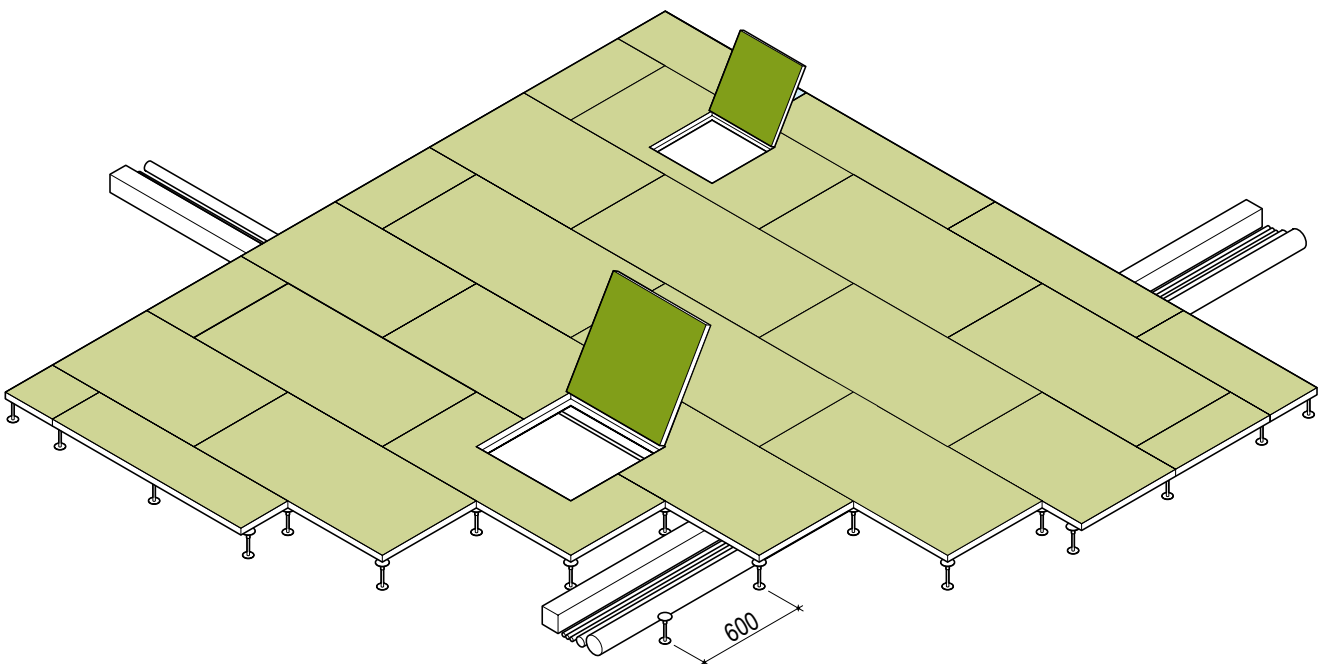
The substructure consists of steel pedestals, galvanized and in additional yellow chromatised, adjustable, glued to sub-floor, strong and safe connection of panels to pedestals.

High load capacity by using maximum panel thickness and heavy load pedestal.

Floor to wall connection by self adhesive foam tape prevents sound transfer to other building parts.

Advantages of this dry system:

- Dry installation, no moisture on site
- Immediate use without any delay
- Coverings are layed immediately (no drying out time)



View showing the function of MERO-TSK Hollow Floor

Planning Details

Flexibility:

Hollow Floor is a system that consists of single panels, profiled edges are glued together to receive a monolith access floor. Fixed service openings or installation channels have to be located according to the requirements. The distance between service openings should be max.5 metre.

Service openings are suitable for smaller Hollow Floor projects. For bigger projects and for more effective installation flexibility an access installation channel b=600 mm or b=1200 is the proper solution. In general: „The more comfort and flexibility a Hollow Floor needs, the more access channels and service openings should be realized.

Partition walls:

For an unlimited use of the cavity partitions walls should be installed on the floor system. Fire section walls respectively walls between different working areas should be fixed directly on the subfloor. Fire approved partition walls require a fire approved fascia underneath of the floor.

Mounting units:

Cutouts for mounting units as sockets, air outlets etc., round, square or rectangular either be done in the factory or individually on site. However, step bores have to be done in the factory only.

Floor coverings:

The MERO-TSK Hollow Floor system can be provided with nearly all types of floor coverings. There are no deflecting panel edges which makes it possible to lay any covering type in rolls. Textile covering will be glued directly to the floor surface. On the other hand hard coverings request additional actions on the floor surface as spatula, grinding and priming.

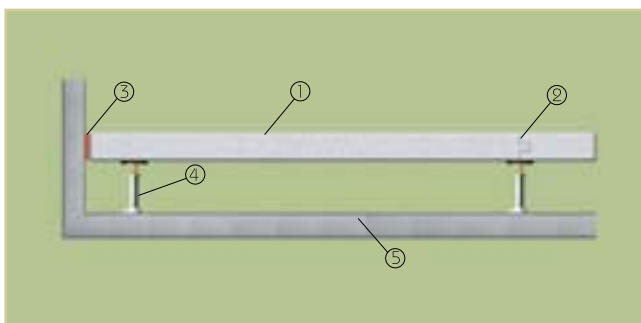
Requirements for the installation/climate conditions:

MERO-TSK Hollow Floor consists of fibre reinforced mineral material. There should be a temperature of 20°C and a humidity between 40-60 %. During the installation the same conditions should be there in order to avoid unnecessary deviations on the panel. Please consider the use of expansion joints for large areas.



MERO-TSK Hollow Floor (600x1200 mm) at Munich Tower

Technical Data*: Hollow Floor Combi T



*For detailed technical data we ask you to read the data sheets of the different Combi T systems or internet page under www.mero-bodensysteme.de.

1. Panel
2. Joint glue
3. Self adhesive foam tape
4. Pedestal
5. Self adhesive foam tape

Technical data:

Panels:

| | |
|--------------------|---------------------------|
| Panel material: | Fibre reinforced mineral |
| Panel dimension: | 600 x 600 mm |
| Panel thickness: | 22 - 36 mm |
| Panel edge: | profiled for interlocking |
| Interlocking glue: | high quality PU adhesive |

Understructure:

| | |
|-----------------------|---|
| Material: | Galvanized and yellow chromated steel pedestals, adjustable |
| Construction heights: | 70 - 1000 mm |
| Standard module: | 600 x 600mm |
| Fixing to subfloor: | Base plate glued to subfloor, headplate glued to panel underside or panel put on pedestal head (no glue fixing) = floating laying. |

Load classes:

| | |
|---------------|-----------------|
| Standard | DIN-EN 12825 |
| Classes: | 2 - 5 |
| Ultimate load | 4000 - 10.000 N |

Sound reduction value (depending on system and floor covering):

| | | |
|--|------------------|------------|
| Sound reduction index: | $R_{L,w,p}$ | 45 - 49 dB |
| Normalized impact sound pressure level: | $L_{n,w,p}$ | 42 - 80 dB |
| Improvement of sound pressure level reduction: | $\Delta L_{w,p}$ | 16 - 32 dB |

Fire protection:

| | |
|---|-----------------|
| Building material class acc. to DIN 4102: | Non combustible |
| Fire resistance class: | A2 F 30 |



TÜV certificate since 2005-01-20

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