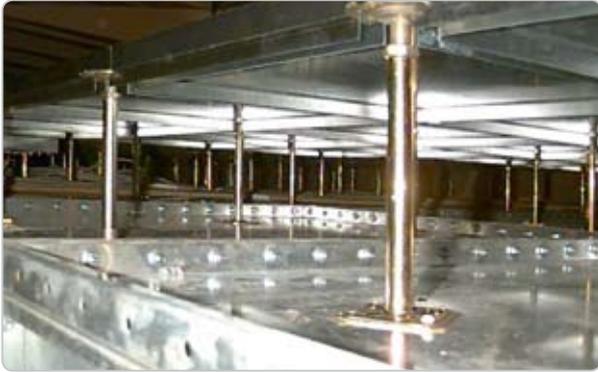


Floors / Lining of Inner Walls and Ceiling



Raised floor

Floor for Shielded Rooms

In shielded rooms we install a so-called false floor above the floor shielding panels. This false floor consists of chipboard modules (panel thickness 38 mm), size 600 mm x 600 mm, which are placed on metal supports of adjustable height. The internal floor level of the chamber is adjusted to the level of the doorsill; a step into the inside of the chamber is thus avoided. A PVC covering is glued onto the surface of the modules. The space between the floor shielding panels and the floor panels can be used for cable trunking. The standard version is suitable for a surface load of 500 kg/m². Special versions for higher loads are available.



Semi-anechoic chamber with groundplane

Floor for Semi-Anechoic Chambers

In this case, the standard outfit is also a so-called false floor, but covered with an aluminium foil on the surface. Above these false floor panels, a ground plane of 2.0 mm thick hot-galvanized sheet steel is installed with a RF contact to the wall shielding panels. The electrical contact between the sheet steel panels is made via the aluminium foil of the false floor panels.



Fully anechoic chamber with cat walk

Floor for Fully Anechoic Chambers

In case of anechoic chambers with a full absorber lining (with floor absorbers) several versions may be realized depending on the sizes and weights of the test specimen to be placed in the room. However, it is a general rule that only the absolutely necessary amount of material should be placed above the absorbers, since any material has an influence (even if minor) on the room characteristics. The following standard arrangement of anechoic chambers with pyramid absorber lining on the floor is available:

- Supported wooden floor over the whole surface with individually removable panels
- Supported catwalk, fabricated of wood or plastic, in certain parts of the chamber
- Free walkways (without absorber lining) on the boundary area of the room and behind the turntable.

If only ferrite absorbers are placed on the floor a false floor is installed as described above but lowered by the height of the ferrite absorbers. A 5.0 mm thick felt covering would be laid out on the ferrite surface.



Lining of Inner Walls and Ceiling in Shielded Rooms

On request the inner walls and the ceiling can be lined with material chosen by the customer. Soundproof linings are available for special application.