



NORTEC power

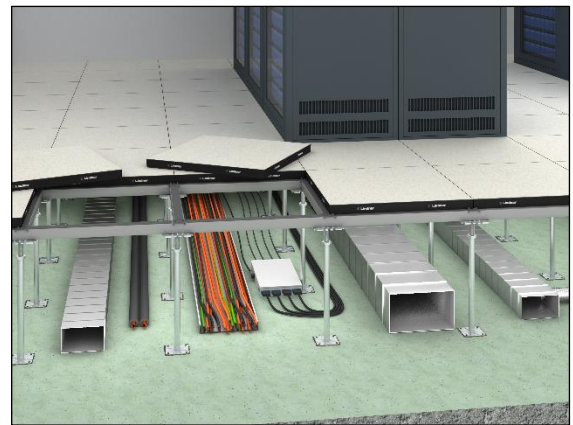
Raised floor for heavy-duty areas

The raised floor system NORTEC power was developed especially for heavy duty areas. The raised access floor panels type power consist of fibre-reinforced calcium sulphate with optimised panel mixture are applied with a steel sheet on the lower side. The panels are protected against shock and humidity by an edge trim on all edges. The substructure consists of height-adjustable zinc-coated steel pedestals from our own production which form the necessary cavity for installations. Switchgear profiles with fixing gaskets for sound decoupling can be fixed on the pedestals with hammer head screws for vertical load improvement.

- superb walking comfort
- very high loadability
- non-combustible
- simple lifting and exchanging of single panels
- very wide choice of coverings

Samples for building portfolio

Assembly Rooms, Broadcasting Rooms, Television Studios, Common Rooms, Data Centres, Facilities for Meetings, Conventions and Conferences, Stage and Studio Rooms, Utility Rooms, Offices, Banks, Museums, Places of Assembly, Sales Areas, Shopping Centres, Cinemas and Theatres, Concert Halls, Gymnasiums, Library Rooms, Research Rooms, School, School of Higher Education, Power Plants, Production Facilities, Laboratories and Research Facilities, Clean Rooms, Airports, Subways and Tunnels, Train Stations, Entrance Areas, Escape Routes, Court Houses, Government Buildings, Laboratories, Clinics and Hospitals



Technical data

| | |
|--------------------------|---------------------------|
| Weight | 56 - 90 kg/m ² |
| Panel thickness | 30.5 - 44.5 mm |
| Standard pedestal height | 45 - 2,000 mm |
| Pedestal grid | 600 mm x 600 mm |
| Dimensional deviation | class 1 |
| Earth resistance | ≥ 1 x 10 ⁶ Ω |

Statics

| | | |
|----------------------------|--------------|--|
| Load and deflection class | DIN EN 12825 | 6A |
| Point load (breaking load) | DIN EN 12825 | 6 kN (12 kN) –15 kN (30 kN) |
| Seismic safety | | earthquake-proof construction possible |



Fire protection

Building material class of the carrier panel

| | | |
|---|----------------|-----------------|
| Building material class | DIN EN 13501-1 | A1 |
| Building material class | DIN 4102-1 | A2 |
| Designation by the building authorities | DIN EN 13501-1 | non-combustible |
| Designation by the building authorities | DIN 4102-1 | non-combustible |

Fire resistance

| | | |
|-----------------|----------------|--|
| Fire resistance | DIN EN 4102-2 | F 30 possible with additional measures |
| Fire resistance | DIN EN 13501-2 | REI 30 possible with additional measures |

Acoustics

Building acoustics

| | | | |
|--|--------------------|--------------|-------|
| Normalised flanking level difference depending on additional measures | DIN EN ISO 10848 | $D_{n,f,w}$ | 49 dB |
| Rated sound reduction index depending on additional measures | DIN EN ISO 10140-2 | R_w | 61 dB |
| Reduction of impact sound pressure level depending on additional measures | DIN EN ISO 10140-1 | ΔL_w | 14 dB |
| Normalised flanking impact sound pressure level depending on additional measures | DIN EN ISO 10848-2 | $L_{n,f,w}$ | 70 dB |

Sustainability

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|-----------------------------------|--|
| Circular economy | Cradle to Cradle Certified® Silver |
| Self-declaration | self-declaration in acc. with ISO 14021 |
| Environmental product declaration | verified EPD in acc. with EN 15804 / ISO 14025 |
| FSC | optional (TUEV-COC-000515) |
| French VOC Regulation | Emission class A+ |

Floor coverings

| | |
|-------------------------|----------------------|
| Suitability of covering | heavy duty coverings |
|-------------------------|----------------------|