



## LIGNA power

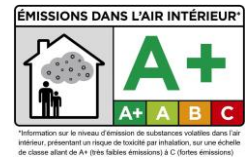
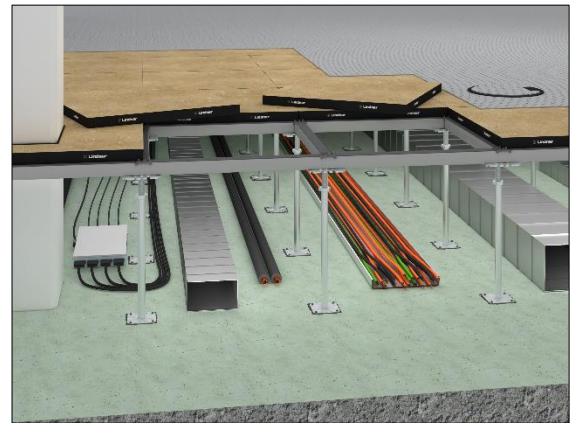
### Raised floor for heavy-duty areas

The raised access floor system LIGNA power glances with its high flexibility, the building-physical characteristics and convinces by economic aspects. The high density chipboard panels of emission class E1 are optionally applied with a humidity protection or steel sheet on the lower side and protected with an edge trim on all edges against shock and humidity. The substructure consists of height-adjustable zinc-coated steel pedestals from our own production which form the necessary cavity for installations. C-profiles with fixing gaskets for sound decoupling are fixed on the pedestals with hammer head screws for vertical load improvement.

- special substructure
- strengthened pedestals
- safe for driving over with heavy lifting apparatus

### Samples for building portfolio

Data Centres, Utility Rooms, Assembly Rooms, Broadcasting Rooms, Television Studios, Common Rooms, Facilities for Meetings, Conventions and Conferences, Offices, Stage and Studio Rooms, Library Rooms, Research Rooms, School, School of Higher Education, Museums, Banks, Sales Areas, Shopping Centres, Laboratories and Research Facilities, Power Plants, Court Houses, Government Buildings, Entrance Areas



### Technical data

Weight	38 - 42 kg/m <sup>2</sup>
Panel thickness	38 - 38.5 mm
Standard pedestal height	70 - 2,000 mm
Pedestal grid	600 mm x 600 mm
Measurement deviation	class 1
Earth resistance	≥ 1 x 10 <sup>6</sup> Ω

### Statics

Load and deflection class	DIN EN 12825	6A
Point load (breaking load)	DIN EN 12825	6 kN (12 kN) – 7 kN (14 kN)
Seismic safety		earthquake-proof construction possible



## Fire protection

### Building material class of the carrier panel

Designation by the building authorities	DIN EN 13501-1	difficult to ignite
---	----------------	---------------------

### Fire resistance

Fire resistance	DIN EN 4102-2	F30 possible with additional measures
-----------------	---------------	---------------------------------------

## Acoustics

### Building acoustics

Normalised flanking level difference depending on additional measures	DIN EN ISO 10848-2	$D_{n,f,w}$	45 – 59 dB
Weighted sound reduction index depending on additional measures	DIN EN ISO 10140-2	$R_w$	62 dB
Reduction of impact sound pressure level depending on additional measures	DIN EN ISO 10140-1	$\Delta L_w$	16 – 29 dB
Normalised flanking impact sound pressure level depending on additional measures	DIN EN ISO 10848-2	$L_{n,f,w}$	69 – 30 dB

## Sustainability

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

## Floor coverings

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