



LIGNA

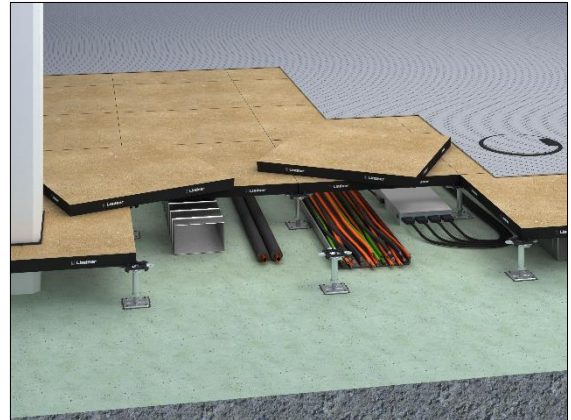
Raised floor for more economic efficiency

The raised access floor system LIGNA 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 and gaskets for sound decoupling.

- low system weight
- quick installation
- very good price – performance ratio
- can be combined with other floor systems
- manufactured in Germany according to the highest quality and environment standards

Samples for building portfolio

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



Technical data

Weight	25 - 33 kg/m ²
Panel thickness	28.5 - 38.5 mm
Standard pedestal height	20 - 2,000 mm
Pedestal grid	600 mm x 600 mm, 1,200 x 600 mm, 1,200 x 1,200 mm
Measurement deviation	class 1
Earth resistance	≥ 1 x 10 ⁶ Ω

Statics

Load and deflection class	DIN EN 12825	1A – 5B
Point load (breaking load)	DIN EN 12825	2 kN (4 kN) – 5 kN (10 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
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Fire resistance

Fire resistance	DIN EN 4102-2	F30 possible with additional measures
Fire resistance	DIN EN 13501-2	REI30 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	ΔL_w	16 – 33 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
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	elastic coverings, textile coverings, loose-laid tiles, WOODline, CERAMIN®, LEATHERline
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