



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.

- very high load capacity
- heavy devices can be used directly on the floor
- non-combustible
- take-back offer
- ideal for data centres

Examples for areas of application

Public Areas: Entrance Areas, Escape Routes

Work: Common Rooms, Facilities for Meetings, Conventions and Conferences, Stage and Studio Rooms, Office buildings, Broadcasting Rooms, Television Studios, Data Centres and IT facilities, Utility Rooms, Assembly Rooms

Education: Library, Research Rooms, Schools, Higher education institutions and universities

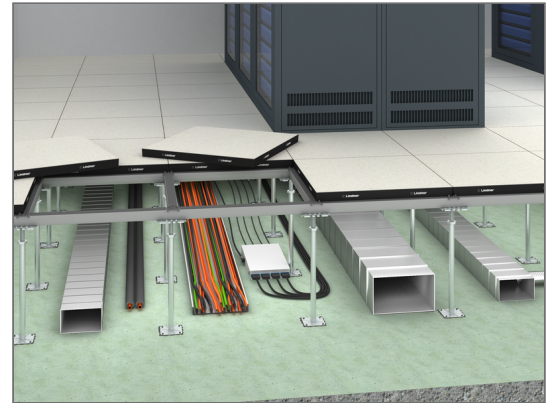
Businesses, Recreation and Culture: Shopping Centres, Sales Areas, Banks, Cinema and multiplex cinemas, Concert Halls, Theatres and Opera Houses, Museums and Exhibitions, Sports Halls and Gymnasiums, Places of Assembly

Healthcare: Clinics and Hospitals, Laboratories and Research Facilities, Clean rooms (pharmacy and medical technology)

Industry: Laboratories and Research Facilities, Factories and production facilities, Clean rooms (electronics and semiconductor technology)

Public Institutions: Courts and prisons, Government and municipal buildings

Transport: Train Stations, Airports



Technical details

Dimensions

Panel thickness		30.5 - 44.5 mm
Standard pedestal height		45 - 2000 mm
Pedestal grid		600 mm x 600 mm
Dimensional deviation	EN 12825	Class 1
Weight		56 - 90 kg/m ²

Technical Details

Earth resistance	$\geq 1 \times 10^6 \Omega$
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Static

Statics

Load and deflection class	EN 12825	6A
Point load (breaking load)	EN 12825	6 kN (12 kN) - 15 kN (30 kN)
Seismic safety		possible according to DIN EN 1998-1

Fire protection

Building material class

Building material class		of the carrier panel
Building material class	EN 13501-1	A1
Designation by building authorities	EN 13501-1	non-combustible

Fire resistance

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

Acoustics

Building acoustics

Weighted normalised flanking level difference depending on additional measures	ISO 717-1	$D_{n,f,w}$	49 dB
Weighted sound reduction index depending on additional measures	ISO 717-1	R_w	61 dB
Weighted reduction of impact sound pressure level depending on additional measures	ISO 717-2	ΔL_w	14 dB
Weighted normalised flanking impact sound pressure level depending on additional measures	ISO 717-2	$L_{n,f,w}$	70 dB




Sustainability

Declarations

Circular Economy	Cradle to Cradle Certified [®] Silver
Product Self-Declaration	A self-declaration in accordance with ISO 14021 is available. This contains extensive environmental information for planning, tenders and building certifications (LEED, DGNB, EU taxonomy).
EPD (Environmental Product Declaration)	The product has a verified EPD in compliance with the applicable standards. (ISO 14025/EN 15804)
Sustainable forestry	Our products can be supplied FSC [™] -certified (chain of custody certification) and fulfil all the necessary requirements. Certificate number: TUEV-COC-000515 Licence number: FSC-C119815
French VOC Regulation	Emission class A+

Evidence

Green Level Certificate	<div> <div>Superior</div> <div>  </div> </div> <p>Circularity: Majority of components can be reused/refurbished</p> <p>Life Cycle Assessment: EPD according to ISO 14025 and EN 15804</p> <p>Cradle to Cradle Certified[®]: C2C Certified[®] Silver</p>
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Coverings

Coverings

Suitability of covering	heavy duty coverings
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