

NORTEC CLT

Raised floor on cross laminated timber ceiling

The raised floor system NORTEC is the ideal product for nearly all applications with its excellent technical and building-physical characteristics. The raised floor panels consist of fibre-reinforced calcium sulphate. The panels are protected against damage and humidity by a surrounding edge trim. The substructure, which forms the necessary cavity for installations, consists of height-adjustable zinc-coated steel pedestals from our own production and gaskets for sound decoupling. The hollow floor panels FLOOR and more® in combination with a dry mineral fill and a decoupling level create the necessary weighting of the solid wood ceiling, which can optimally be used as substrate for the necessary installation.

- superb walking comfort
- very good building acoustic characteristic values
- high loadability
- non-combustible
- simple lifting and exchanging of single panels
- very wide choice of coverings



Samples for building portfolio

Common Rooms, Facilities for Meetings, Conventions and Conferences, Stage and Studio Rooms, Office buildings, Broadcasting Rooms, Television Studios, Assembly Rooms, Utility Rooms, Research Rooms, Library Rooms, School of Higher Education, Schools, Banks, Places of Assembly, Gymnasiums, Entrance Areas, Escape Routes, Government Buildings, Court Houses, Hotels and Resorts, Residential



Technical data overall construction

System weight	approx. 210 kg/m ²	
Panel thickness raised floor	38 mm	
Standard pedestal height	25 - 500 mm	
Pedestal grid	600 mm x 600 mm	
Dimensional deviation	class 1	
Earth resistance	≥ 1 x 10 ⁶ Ω	
Weighting level	approx. 115 mm	

Statics

Load and deflection class	DIN EN 12825	2A
Point load (breaking load)	DIN EN 12825	3 kN (6 kN)

Fire protection

Building material class of the raised floor

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 of the raised floor

Fire resistance	DIN 4102-2	F30 possible with additional measures
Fire resistance	DIN EN 13501-2	REI30 possible with additional measures REI60 possible with additional measures

Acoustics

Building acoustics

Normalised flanking level difference depending on additional measures	DIN EN ISO 10848-2	$D_{n,f,w}$	56 – 61dB
Rated sound reduction index depending on additional measures	DIN EN ISO 10140-2	R_w	63 dB
Normalised impact sound pressure level depending on additional measures	DIN EN ISO 10140-2	$L_{n,w}$	44 – 42 dB
Normalised flanking impact sound pressure level depending on additional measures	DIN EN ISO 10848-2	$L_{n,f,w}$	64 – 39 dB

Sustainability (raised floor system)

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

Floor coverings

Suitability of covering	elastic coverings, loose-laid tiles, textile coverings, STONEline
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