

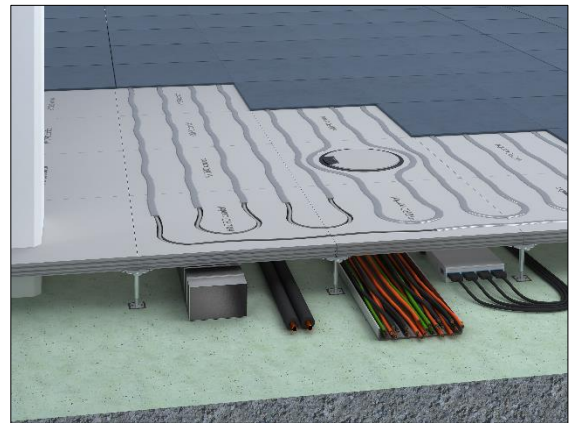


## HYDRO comfort

### Dry hollow floor for humid areas with underfloor heating

The dry hollow floor system HYDRO comfort was specifically developed for areas with increased humidity stress and creates a pleasant environment for the occupier by its intelligent heating and cooling. The humidity-resistant hollow floor system HYDRO comfort consists of high density cement fibre panels which effectively prevents the absorption of water. Pre-milled grooves for taking up the heating and cooling lines are closed after the installation by a filling compound. The gluing of the HYDRO panels is made with a special tongue and grooving at the edges of the panels creating a closed load-bearing layer. The substructure consists of height-adjustable zinc-coated steel pedestals from our own production which forms the necessary cavity for installations.

- suited for rooms with increased humidity stress
- quick reaction period with heating and cooling
- quick installation
- water-resistant
- mould-resistant
- non-combustible
- environmental-friendly due to low flow temperature



### Samples for building portfolio

Research Rooms, Public Swimming Pools, Gymnasiums, Operating Theatres, Commercial Kitchens, Restaurants and Canteens, Hotels and Resorts, Sauna and Wellness Areas, Laboratories and Research Facilities, Production Facilities, Stations, Subways and Tunnels, Entrance Areas



### Technical details

Weight	80 – 85 kg/m <sup>2</sup>
Panel thickness	40 – 44.5mm
Standard pedestal height	76 – 2,000 mm
Pedestal grid	593 mm x 593 mm

### Climatics

#### Tube distance 100 mm

Heating performance	DIN EN 1264-2	79 W/m <sup>2</sup>
Cooling performance	DIN EN 1264-5	41 W/m <sup>2</sup>
Heating tube		Ø 17 x 2.0 mm

#### Tube distance 150 mm

Heating performance	DIN EN 1264-2	64 W/m <sup>2</sup>
Cooling performance	DIN EN 1264-5	31 W/m <sup>2</sup>
Heating tube		Ø 17 x 2.0 mm



### Static

Load class	EN 13213	3 – 6
Concentrated load (breaking load)	EN 13213	4 kN (8 kN) – 14 kN (28 kN)
Seismic safety		Earthquake-proof construction possible

### Fire protection

#### Reaction to fire performance

Reaction to fire performance	CWFT (96/603/EG)	A1
Designation by the building authorities	CWFT (96/603/EG)	non-combustible

### Acoustics

#### Building acoustics

Weighted sound reduction index without covering	DIN EN ISO 10140-2	R <sub>w</sub>	64 dB
Reduction of impact sound pressure level without covering	DIN EN ISO 10140-1	ΔL <sub>w</sub>	15 dB

### Sustainability

Self-declaration	self-declaration in acc. with ISO 14021 possible
FSC	optional (TUEV-COC-000515)

### Coverings

Suitability of coverings	Ceramics, natural stone (suitability for underfloor heating required)
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