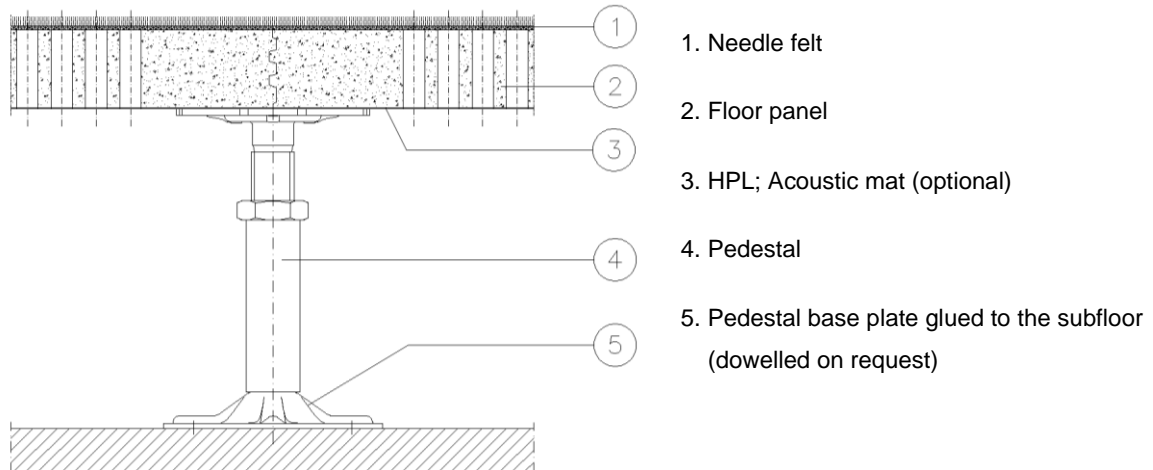


Technical Data Sheet Functional Floors Sound Absorption

Sketch:



Panel:

Dimension:	600 x 600 mm (special module on request)
Panel thickness: (without floor covering)	~ 31 – 39 mm
Panel surface:	Needle felt
Panel underside:	HPL; Acoustic mat (optional)
System weight: (without floor covering, floor height 250 mm)	~ 45 – 54 kg/m ²
Panel material:	fibre-reinforced calcium sulphate

Understructure:

Module:	600 x 600 mm
Pedestal material:	galvanized steel pedestals
Construction height: (without floor covering)	~ 60 – 2000 mm
Recommendation for use:	we recommend to use stringers from a finished floor height of 500 mm on, e.g. u-type stringers

Load values:

Point load:	3.000 – 6.000 N
Load class acc. to DIN EN 12825:	class 2 – 6
Ultimate load:	≥ 6.000 – 12.000 N
Safety factor:	≥ 2,0

Sound absorption value:

Valued sound absorption coefficient:	$\alpha_w = 0.45 \text{ (LH)} - 0.70 \text{ (LH)}$
Sound absorption class:	D - C

Electrostatic:

> 10⁵ Ohm (depending on systems and floor coverings)

Thermal conductivity: (base material)

~ 0,44 W/mK