

VT-BAT

Floor System



Vibratec[®]
akustikprodukter



Floor System VT-BAT with 2 layers of floor boards

Description

Vibratec floor system VT-BAT is a quick and easy-to-install system with discrete isolators. The system comprises of 3 meter long and 48 mm wide steel battens with isolators (elastic elements) available in 4 different standard heights: 25, 30, 50 and 75 mm (other heights available on request).

Characteristics

Depending on the load and the choice of isolator pads, resonance frequencies below 6 Hz can be achieved (see frequency curves on next page).

The stiffness can be adjusted by adjusting the number of isolators per m² or/and by choosing softer/stiffer material for the isolators, please contact Vibratec for advice.

Color	Type	Load range (kg/m ²) *
Grey	VT-BAT-400	40 - 120
Brown	VT-BAT-510	60 - 240
Pink	VT-BAT-570	80 - 310
Turquoise	VT-BAT-680	120 - 450

* Loads are based on CC 600 mm

Height	Deflection	fn (Hz)
25 mm	1 - 2 mm	> 9 Hz
30 mm	2 - 3 mm	> 8 Hz
50 mm	4 - 7 mm	> 6,5 Hz
75 mm	8 - 12 mm	> 5,5 Hz

Applications

Used for wet or dry floating floors in rehearsal rooms, studios, cinemas, offices and industries. Also used in sprung floors for dance, gymnastics, sports and stages.

Note

Install self adhesive isolation strips (**VT-Strip**) around the perimeter of the floating floor to de-couple the floating floor from the adjacent structure.

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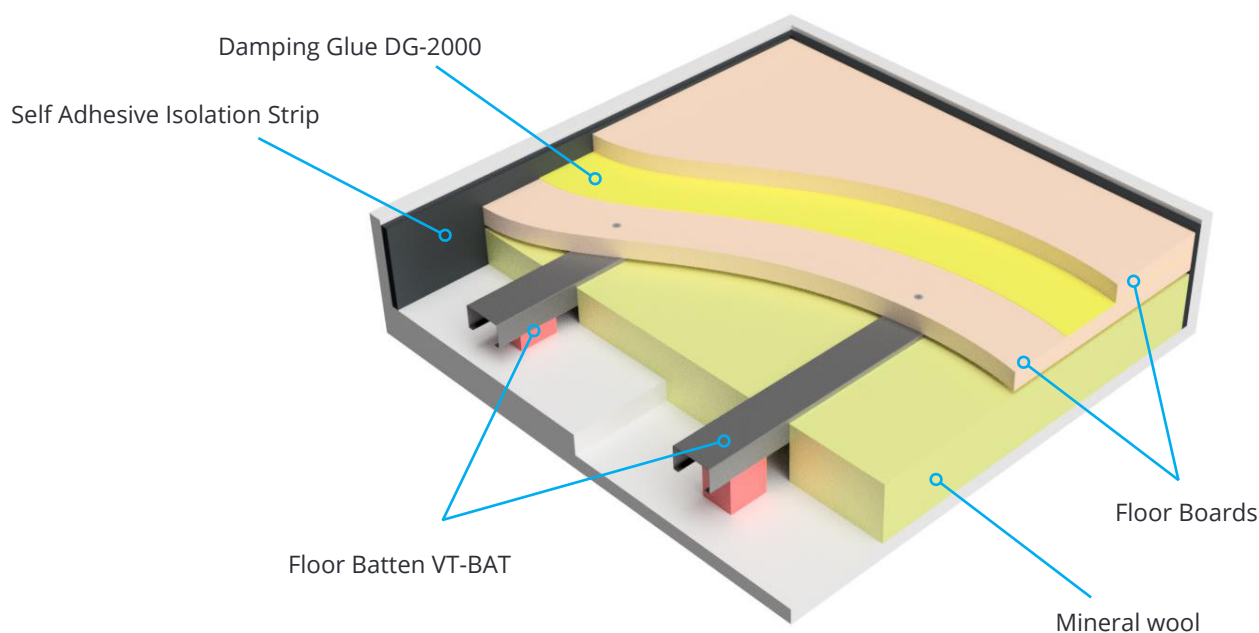
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Illustration of a typical installation



Installation

- Install Self Adhesive Isolation Strips around the perimeter of the floating floor to de-couple the floating floor from the adjacent structure
- Install the VT-BAT rails with c/c- distance 600 mm
- Place low density mineral wool between the VT-BAT rails (the thickness must be less than the deflected void under the floating floor)
- Screw floor panels into the VT-BAT rails (avoid screwing into the isolator pads).

For a more detailed instruction, see our [installation manual](#)



If walls are mounted on the floorsystem, then the amount of isolator pads needs to be calculated to support the extra weight. In above picture, double floor battens have been used at the perimeter of the floor.



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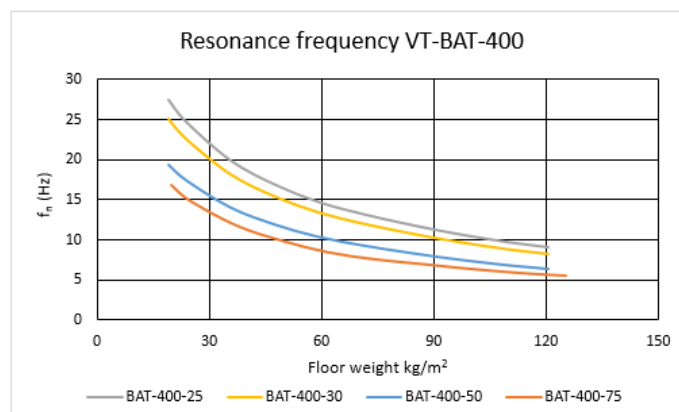
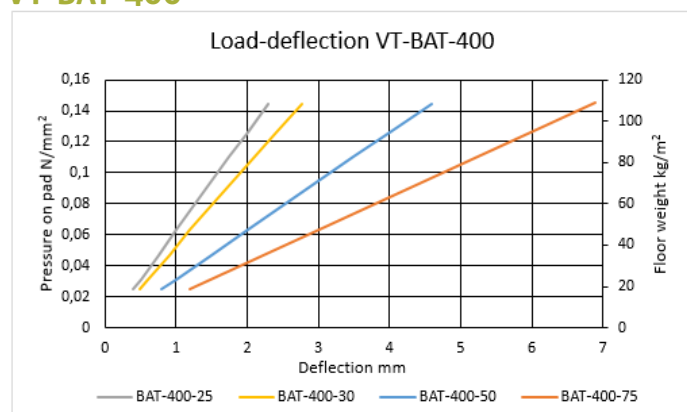
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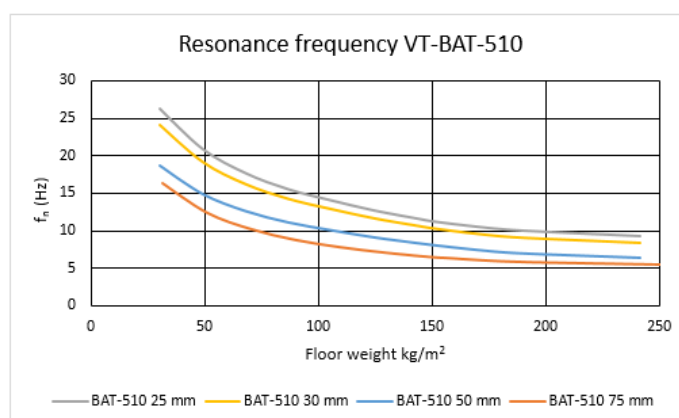
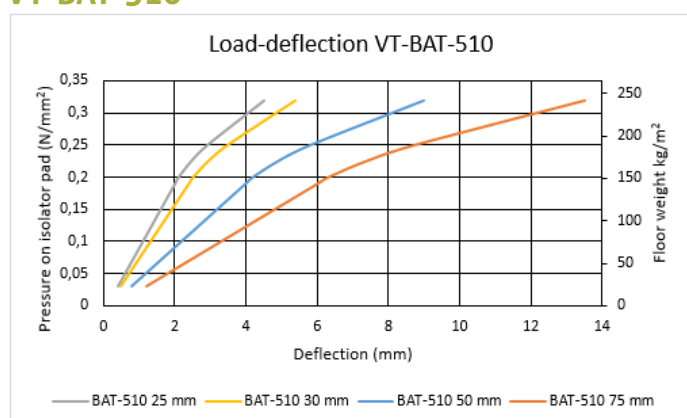
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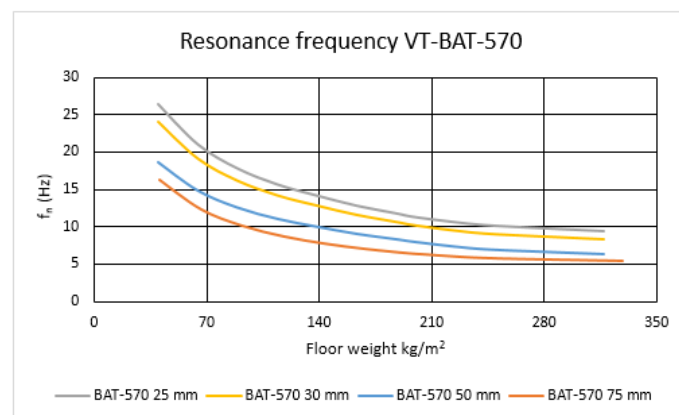
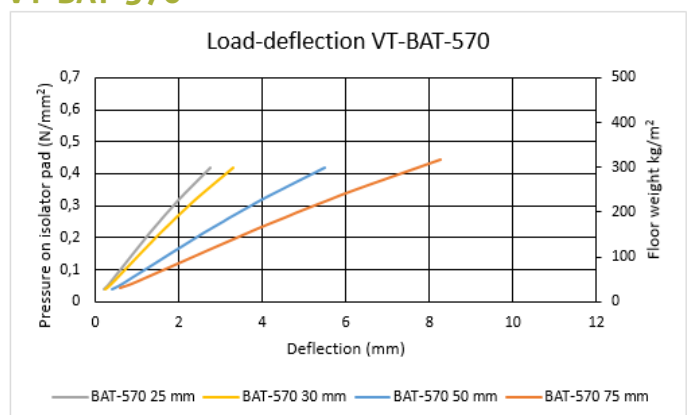
VT-BAT-400



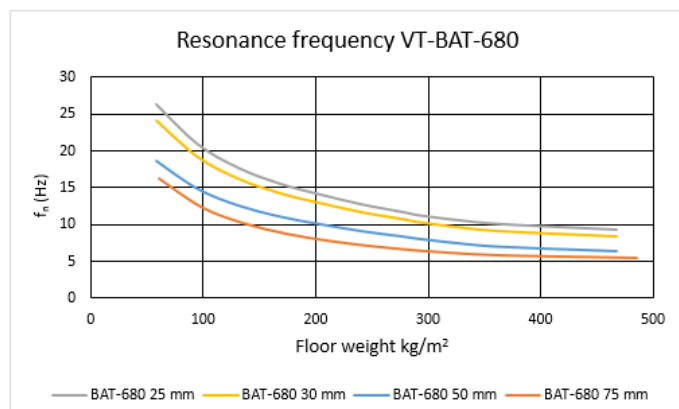
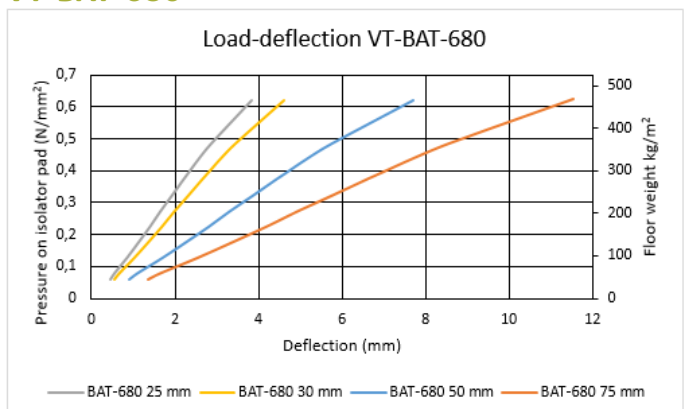
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VT-BAT-570



VT-BAT-680



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