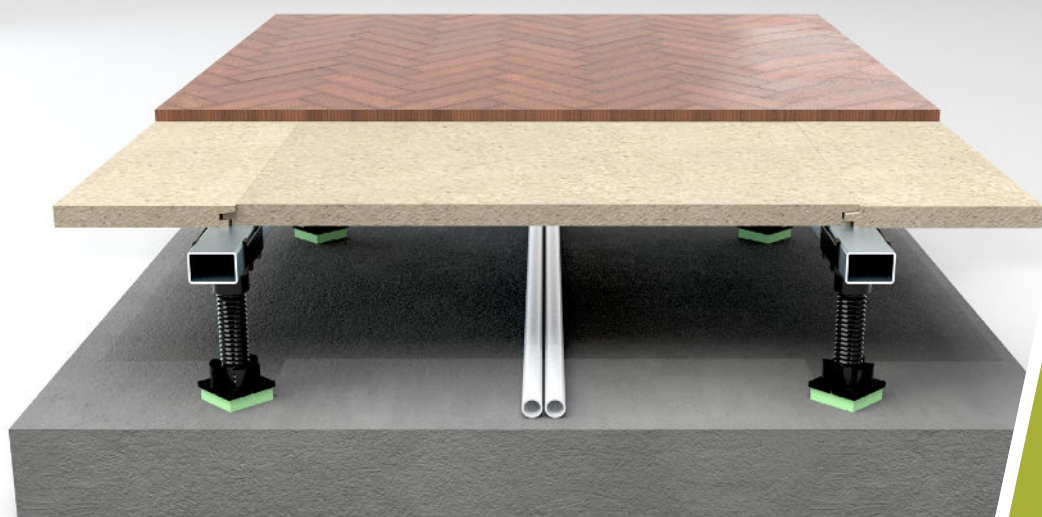
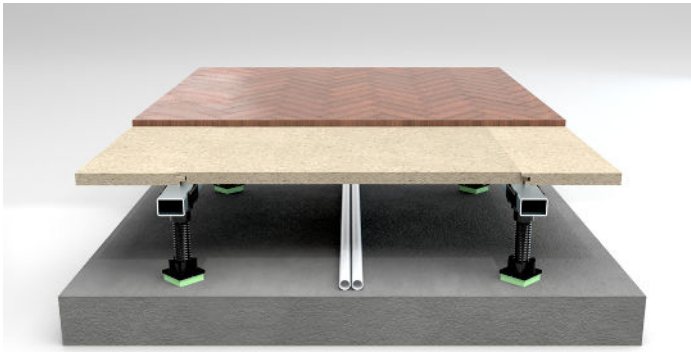


# VT-dBlock

Raised Floor System



*Vibratec*<sup>®</sup>  
akustikprodukter



## VT-dBlock - 12

Resonance frequency 15 – 20 Hz

Airborn sound improvement:  $\Delta R_w = 5 - 7$  dB

Impact sound improvement:  $\Delta L_{n,w} = 26 - 28$  dB



## VT-dBlock - 25

Resonance frequency 10 – 13 Hz

Airborn sound improvement:  $\Delta R_w = 5 - 7$  dB

Impact sound improvement:  $\Delta L_{n,w} = 28 - 30$  dB



## VT-dBlock - 50

Resonance frequency 7 – 10 Hz

Impact sound improvement:  $\Delta L_{n,w} > 30$  dB

## Description

VT-dBlock is an adjustable system for raised floors specially developed for a quick and easy installation and for effective impact and airborne sound insulation.

The system consists of very robust ABS plastic components, damping pad and aluminum profiles (Al-bars) - all components are clicked together. By using different types of damping pads, different noise reduction can be achieved, and by playing with c/c distances, higher load capacity (or less bounce) can be obtained.

The system is as simple as building a standard floor of wood and chipboard - but with the benefits of adjustability in terms of sound and construction height. The adjusting screw is available in 2 standard lengths: 200 mm and 400 mm.

VT-dBlock is first and foremost a floor for sound attenuation and is used in apartments, offices, schools and public premises. VT-dBlock can be used for both new production and renovation as:

- Sound floor
- Floor for waterborne heat
- Floor for electric heating
- Installation floor
- Ventilation floor

## Installation

Vibratec can provide installation plans if needed. The floorsystem is delivered with the aluminum bars and plastic adjusting screws uncut in standard lengths. Vibratec can deliver the floor system precut if needed.

For a detailed installation guide see the separate installation manual on our website.

## Flank transmissions

To avoid flank transmissions, floorboards and surface coating do not have direct contact with surrounding walls and structures. To avoid contact, it is recommended that the floorboards are mounted against the self-adhesive elastic strip **VT-Strip**.

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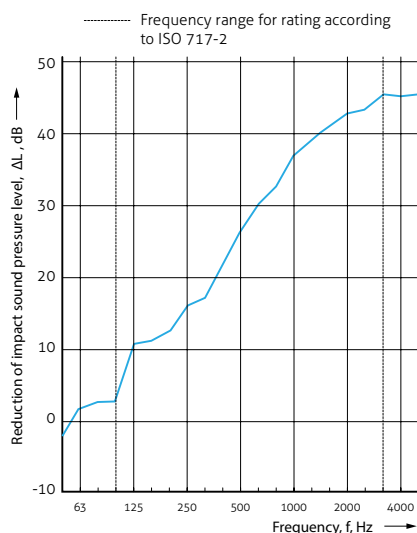
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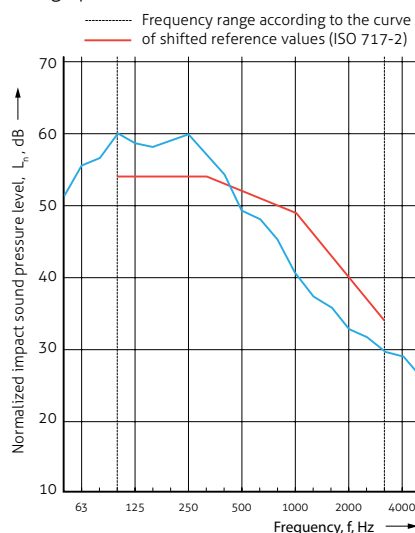
### Characteristics

Utility load 2 kN/m<sup>2</sup> (vid c/c 0,6 x 0,6 m between support legs)

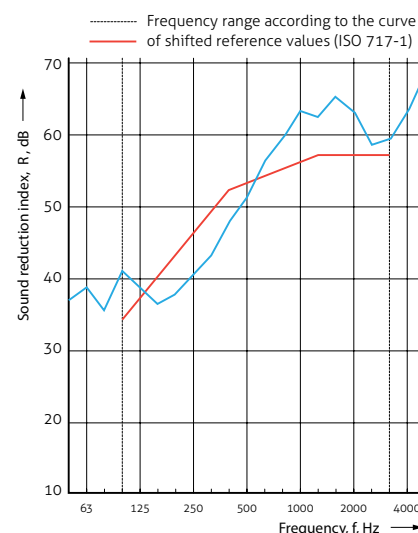
Reduction of impact sound pressure level  $\Delta L_w = 28$  dB (50 mm isolerad air gap + 22 mm floorboard + 14 mm parquet), see graph below



Normalized impact sound pressure level  $L_{n,w} = 52$  dB (50 mm isolerad air gap + 22 mm floorboard on 140 mm standard concrete flooring), see graph below

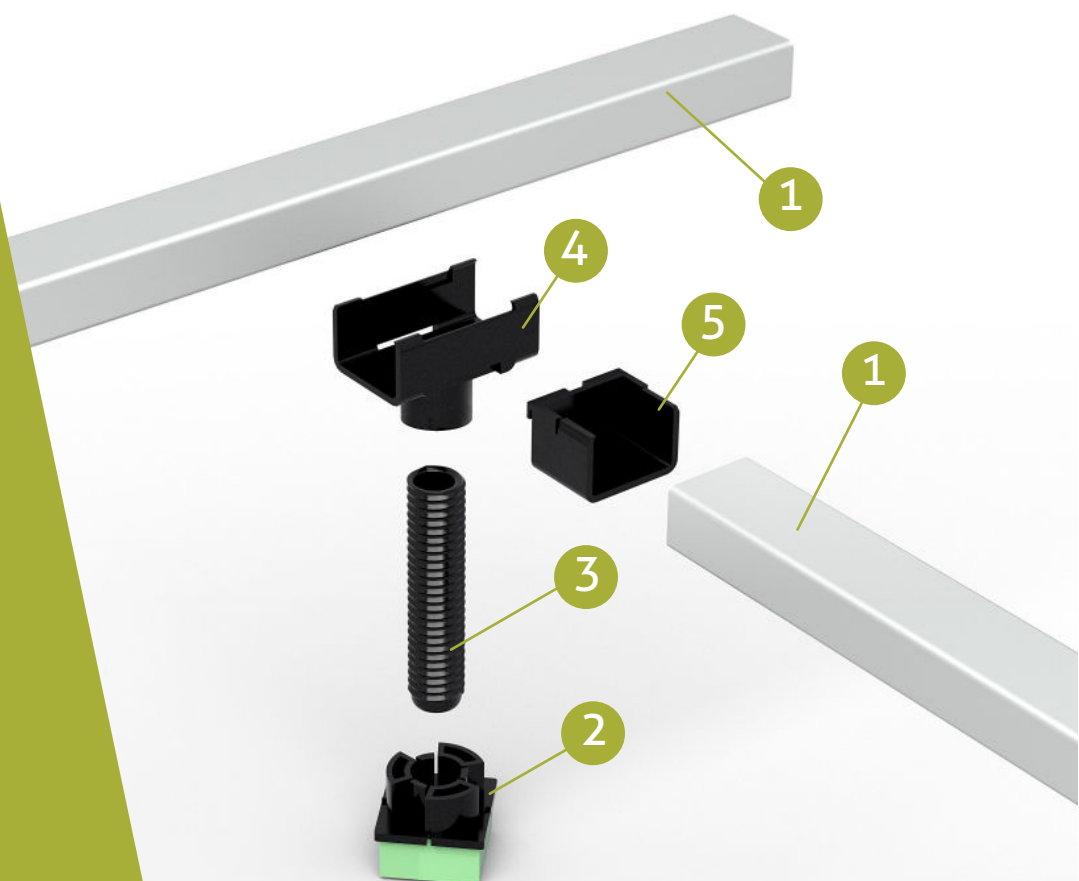


Sound reduction index  $R_w = 53$  dB (50 mm isolerad air gap + 22 mm floorboard on 140 mm standard concrete flooring), see graph below



### VT-dBlock

1. Aluminum bar
2. Foot with damping pad
3. Adjusting screw
4. Threaded sleeve
5. Shelf bracket



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