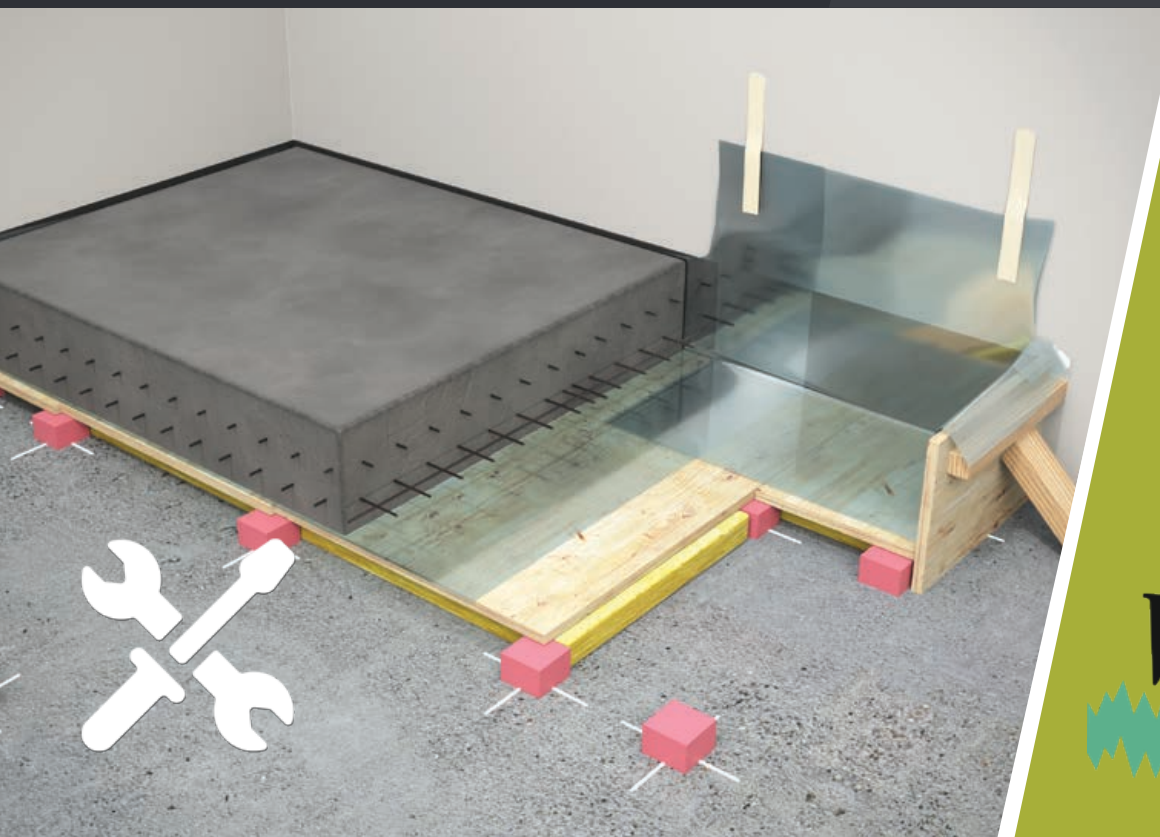


VT-FLOAT

Installation manual



Vibratec[®]
akustikprodukter

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- C. Mineral wool
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VT-FLOAT installation principles

A. PERIMETER ISOLATION

Make sure the surface of the structural floor is clean, dry and even. Tolerance for Regufoam pads is ± 4 mm/m och ± 6 mm/m for springs. The concrete sub-floor or HDF needs to be level, use a floor levelling product that suits your floor surface. Start by mounting the elastic perimeter strip along the walls (image A-1).

If there is a section that does not have a wall, formwork is required (image A-2). Use materials such as wood or formwork plywood, you do not need an elastic perimeter strip on these sections.



Image A-1: Perimeter isolation



Image A-2: Formwork

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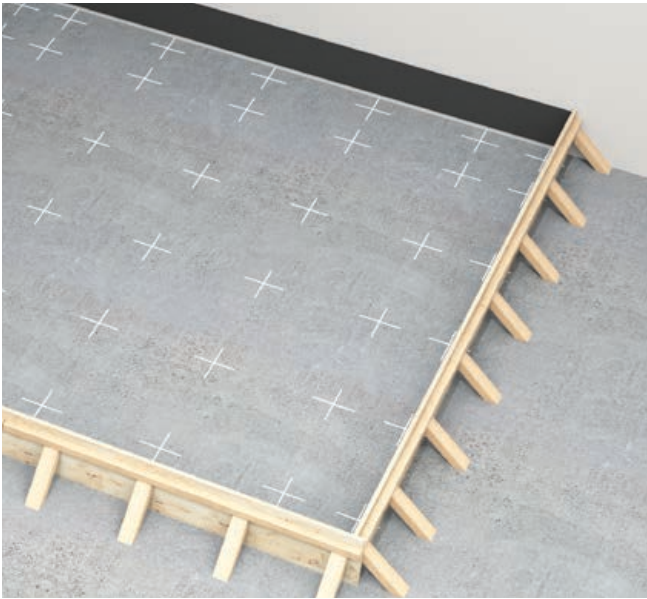


Image B-1: Mark the positions of the Regufoam pads on the floor according to plan.

B. VT-FLOAT REGUFOAM PADS OR SPRINGS

Place all the VT-FLOAT Regufoam pads or springs according to the specifications in the installation plan drawings. Start by marking the positions of the Regufoam pads (or springs) on the entire floor.

Make sure to follow all the c/c distances and check that all the pads are in level. No insulator should be higher or lower than the other. The Regufoam pads should be glued to the floor.



Image B-2: Use glue to fixate the position of the elastic pads.

C. MINERAL WOOL

Place mineral wool, with low density, between the insulators according to the image C-1.

The thickness of the mineral wool depends on the height of the Regufoam pads or spring isolators. Refer to the table below for specifications.

Elastic elements/springs Unloaded height (including shims)	Thickness mineral wool
60-75 mm	45 mm
75-120 mm	70 mm
120-150 mm	95 mm
150-200 mm	120 mm



Image C-1: Mineral wool between the rows of Regufoam or spring isolators.

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D. FORMWORK

Place plywood (18 or 21 mm thick) on top of the isolator pads or springs. Make sure to place the board edges on top of the isolators. See image D-1.

Cover everything with plastic foil 0,2 mm thick. Fold the edges up along all sides, overlap and tape the edges. See image D-2.



Image D-1: Mineral wool between the rows of Regufoam or spring isolators.

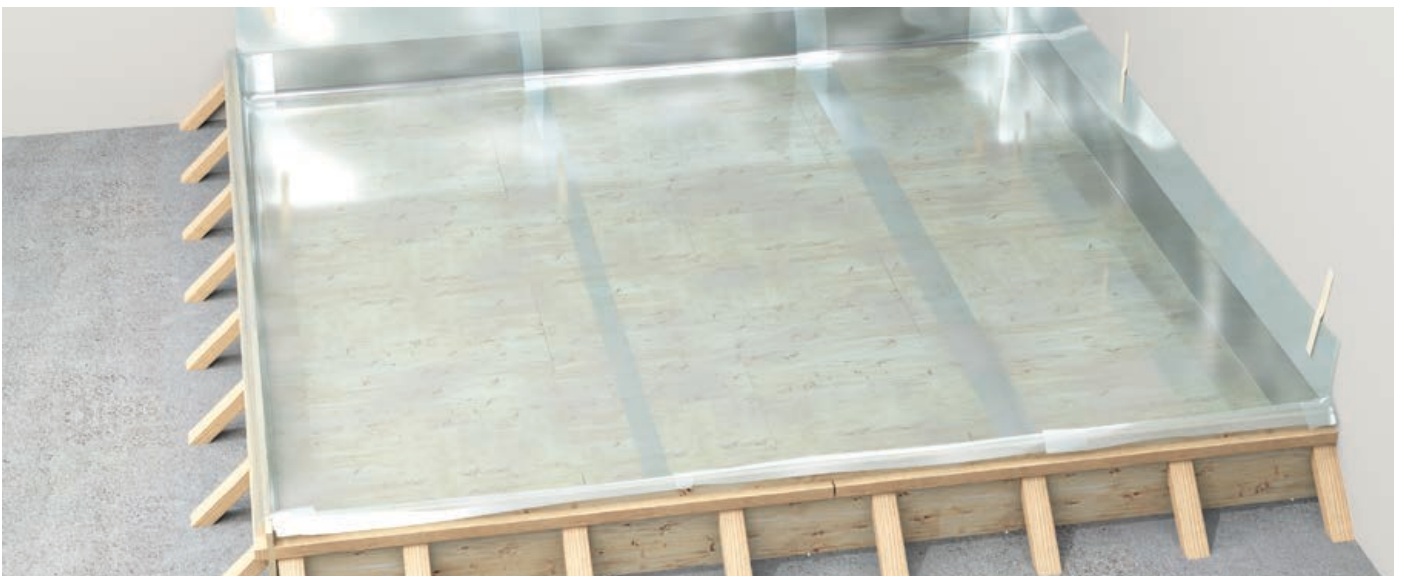


Image D-2: Plastic foil with overlap.

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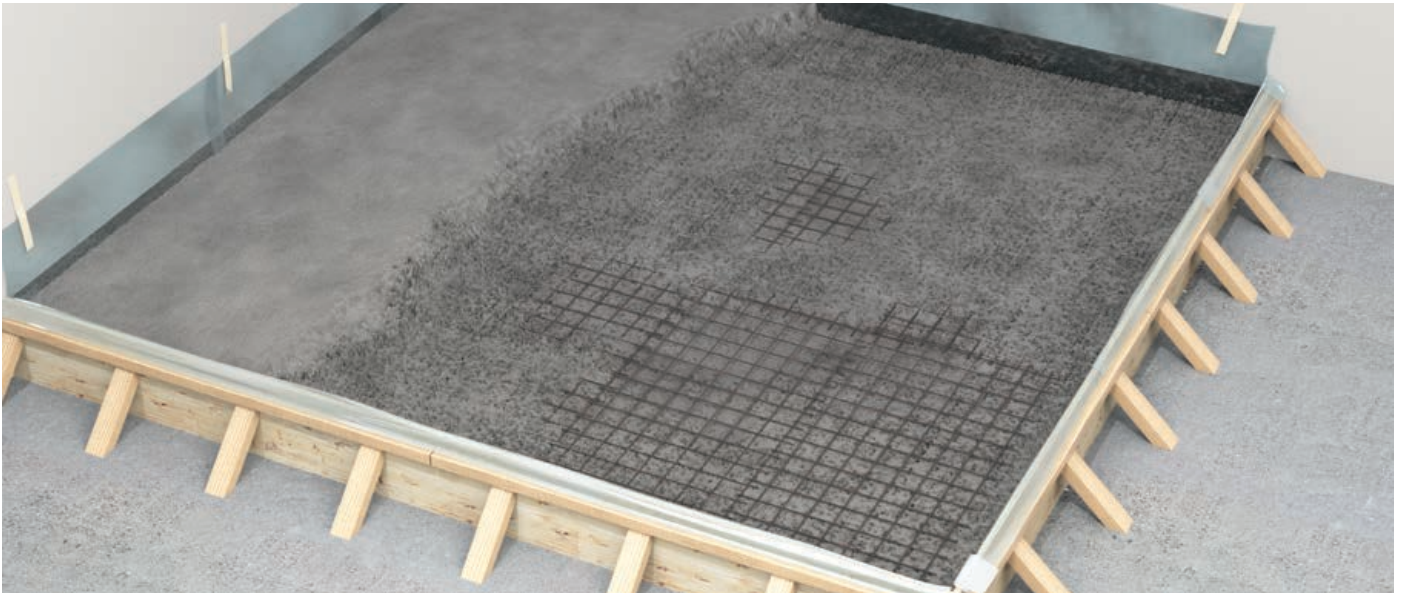


Image E-1: Concrete with reinforcement mesh.



Image E-1: Finished concrete slab.

E. REINFORCEMENT AND CONCRETE

Reinforcement should be dimensioned based on the final load and activity. Normally one layer of reinforcement mesh 8150 is needed if the concrete slab thickness is 150 mm or less, and two layers if the slab is thicker than 150 mm.

When the concrete has hardened, the formwork can be removed. Protruding parameter strip can be cut away if wanted. Steel smoothing and polishing of the slab if specified.

F. SURFACE CLADDING

Install your top floor covering and some lining to hide the perimeter isolation if needed. It is very important that the floor does not have any contact with the surrounding walls. Since the floor is elastic, it needs to have a free gap between the floor and the lining. The slot can be filled with acoustic joint VT-FAS.