

SUBFLOOR SYSTEM



Assembly Step By Step



This series is designed to help the assembly of the SubFloor system.

More information and installation instructions can be found on our website.

www.subfloor.se

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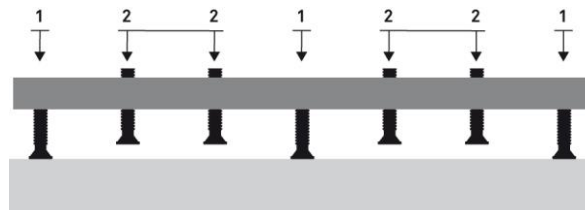
- ✓ Make sure and check the floor heights.
- ✓ This surface must be clean and tight.



- ✓ Use a tressle or equivalent.
- ✓ Mount SubFloor screws in the joists.
- ✓ Min 34 mm of the screw must be screwed into the wooden joist (for steel it is 30 mm).



- ✓ Screw down the end screws and middle screws to the approximate height. The other screws a few cm less.
- ✓ If the screw foot is to be used, mount these.



Joist Assembly Attachment through screw



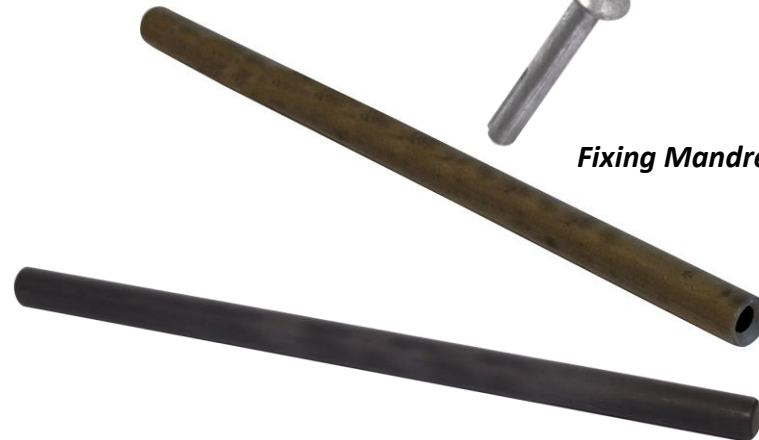
Concrete Plug 6x40 mm

- ✓ Drill at least 45 mm with 6 mm drill bit. Remove the drill cuttings.
- ✓ Insert the concrete plug
- ✓ Press/knock down the plug with the fixing mandrel.
- ✓ Carefully knock down the nail until it bottoms in the plug with the Subfloor mandrel.

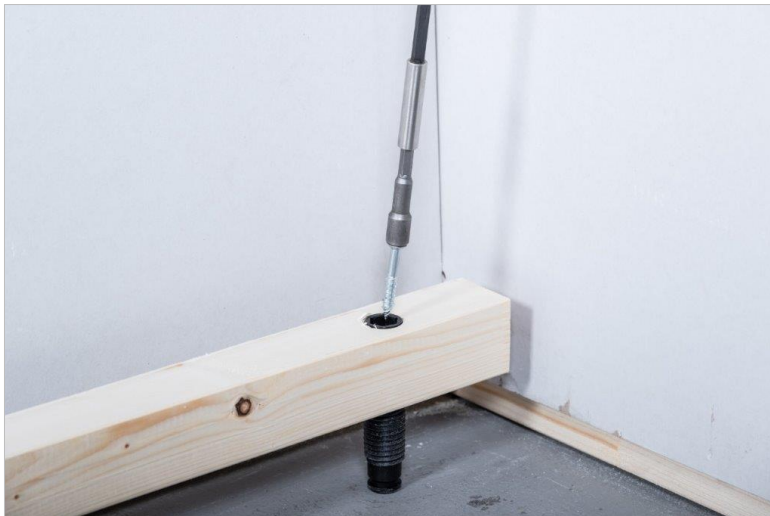
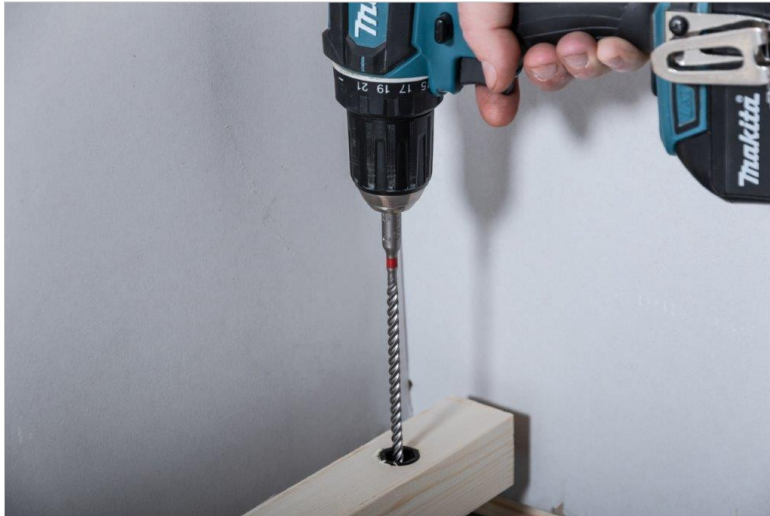
Concrete Plug



Fixing Mandrel



Mandrel



New Spring 2019

Concrete/wood screw 7.5 x 42 mm

- ✓ Drill at least 45 mm with 6 mm drill bit. Remove the drill cuttings (at concrete floor).
- ✓ Use 8 mm bits and bit holders.
- ✓ Screw in the Concrete Screw
- ✓ Also works on wooden joists.



Concrete/wood screw



Bits



Bit Holder

Joist Assembly Attachment through Screw Foot



- ✓ Concrete plug (drill with 6 mm concrete drill bit)
- ✓ Concrete screw (drill with 6 mm concrete drill bit)
- ✓ Wood screw
- ✓ 1st attachment/screw foot, every other side of the joist.

Note!

- ✓ The floors quality determines the choice of fixing method.



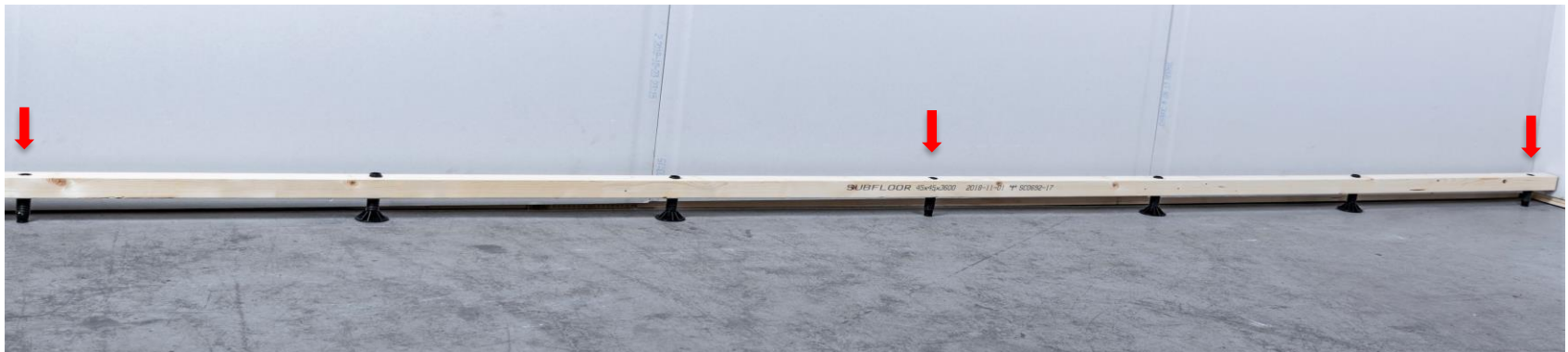


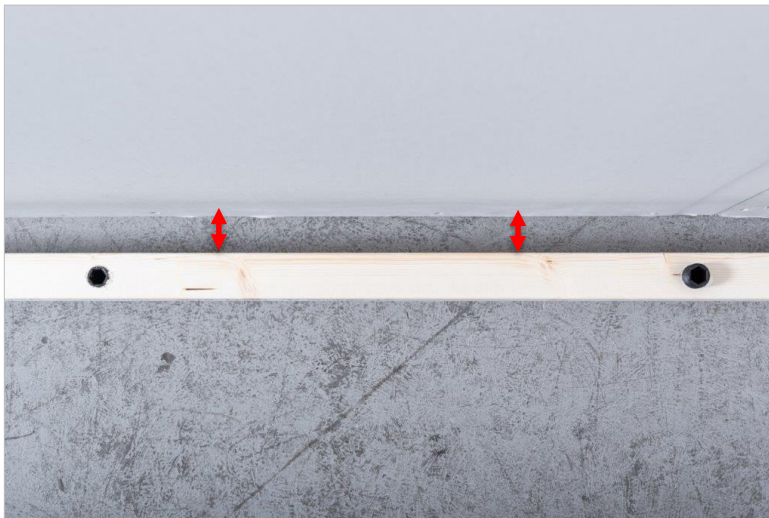
- ✓ Ensure clean surface.
- ✓ Apply 3-5 g between base and screw foot.
- ✓ Allow to harden before height adjustment.



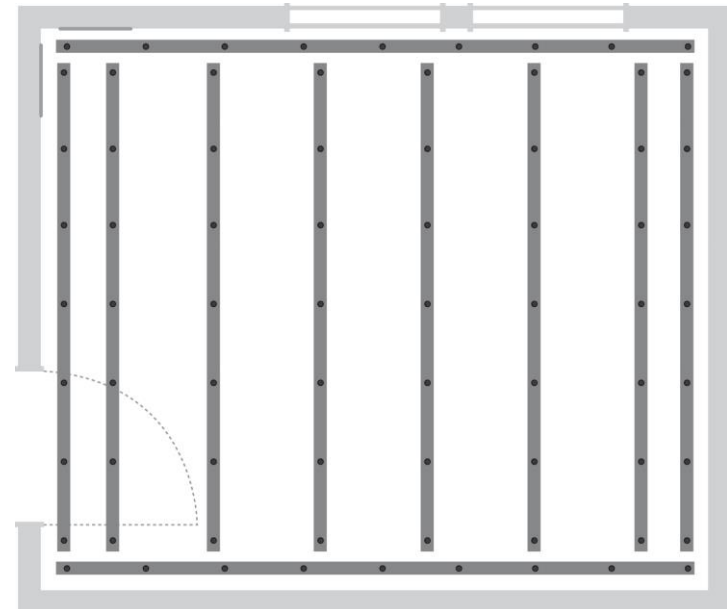
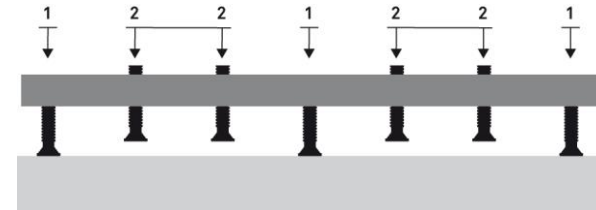
Tips! (picture below)

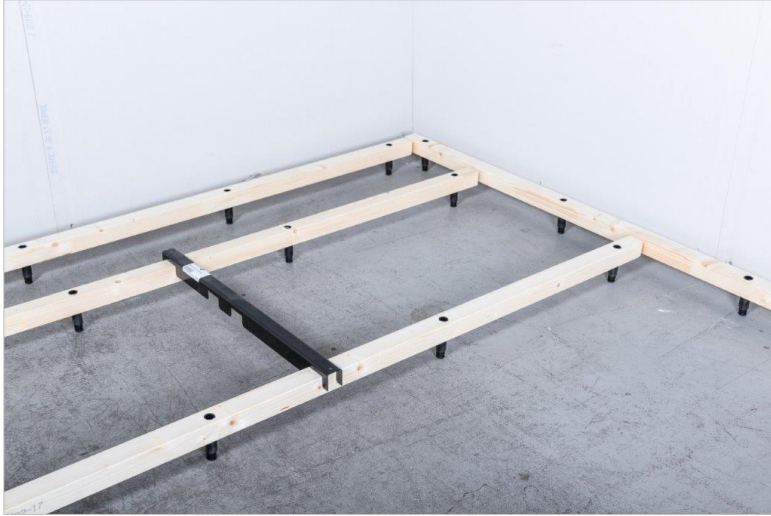
- ✓ Attach the outer screws and one in the middle mechanically. The rest of the screws are glued.





- ✓ Start mounting frame joists along walls, 20-60 mm from the wall.
- ✓ If the floor inlet for ventilation is to be fitted, the distance from the wall must be min. 30 mm.
- ✓ First, fasten end screw and the center screw, adjust the height to the correct level. Screw down and secure the remaining screws.



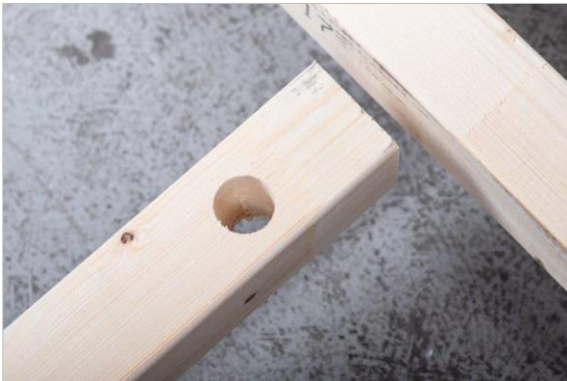


- ✓ Subfloor joist holder helps assembly.
- ✓ For furniture walls, extra frame joists should be mounted on c/c 300 mm.
- ✓ Continue regular assembly.
- ✓ c/c distances may vary depending on surface layers and specific requirements.



- ✓ All joist ends are installed with a clearance of 5-20 mm.
- ✓ Max overhangs from joist end to first/last holes must not exceed 100 mm.

Joist Assembly *"Extra hole" wooden joist*



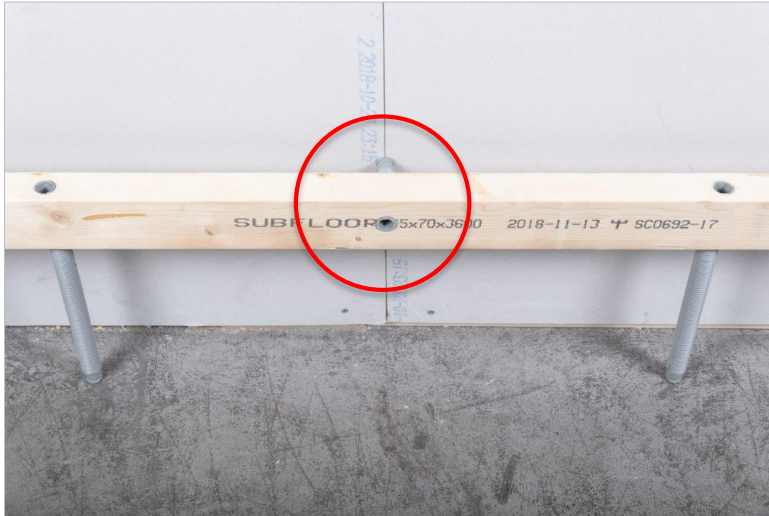
- ✓ Use 22 mm wooden drill bit and drill a new hole.
- ✓ When the joist is assembled, screw a new screw into the unthreaded hole.
- ✓ Slowly screw in this screw.
- ✓ Attach to the substrate using the appropriate method.

Joist Assembly "Extra hole" steel joist

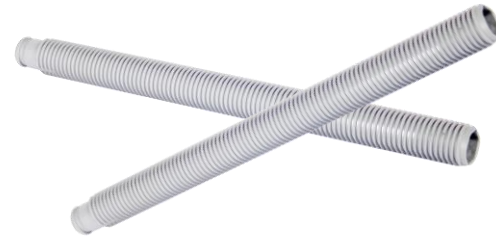


- ✓ Thread sleeve is pre-assembled in every 3rd hole in the steel rail.
- ✓ If the joist is trimmed before a hole with a threaded sleeve, press in an extra threaded sleeve.
- ✓ Ensure "snap sound".





- ✓ When mounting a 300 mm screw, the support screw must be mounted horizontally in the frame joist.
- ✓ Drill with a 22 mm wooden drill bit.



- ✓ Alternatively to support screws, the room corners are joined between wall and chipboard about 40 cm.





- ✓ Clean the concrete slab before installing the insulation and the top floor.
- ✓ Place the insulation bearers so that each insulating board is supported by three points on each side.



- ✓ Insulation bearers are available in dimensions 20 – 120 mm.





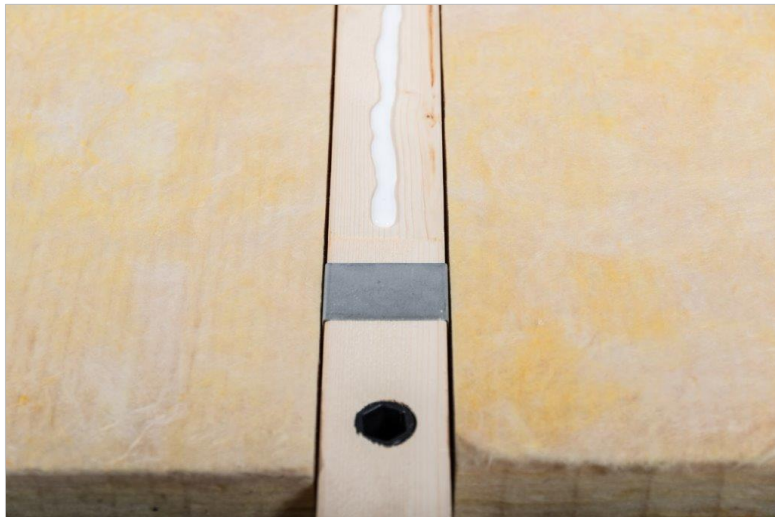
- ✓ Place the insulation with the reinforced side down.
- ✓ Isover Alu should be aluminum-coated side down.
- ✓ Also insulate between the wall and wall joist. Note! Not against a damp wall.

Think!

- ✓ Insulation thickness is not controlled by the joist dimensions.

- ✓ SubFloor insulation in collaboration with Isover, Rockwool and Paroc.





- ✓ Chipboard is glued and screwed against the joist with chipboard screws intended for wood, alternative for steel joist.
- ✓ Glue must not be applied over screws or screw holes.

Steel joist glueing

- ✓ Custom mounting glue
- ✓ MS-Polymer

Steel joist attachment

- ✓ Hard plaster screw
- ✓ Chipboard & joist screw
- ✓ Chipboard screw for steel joist





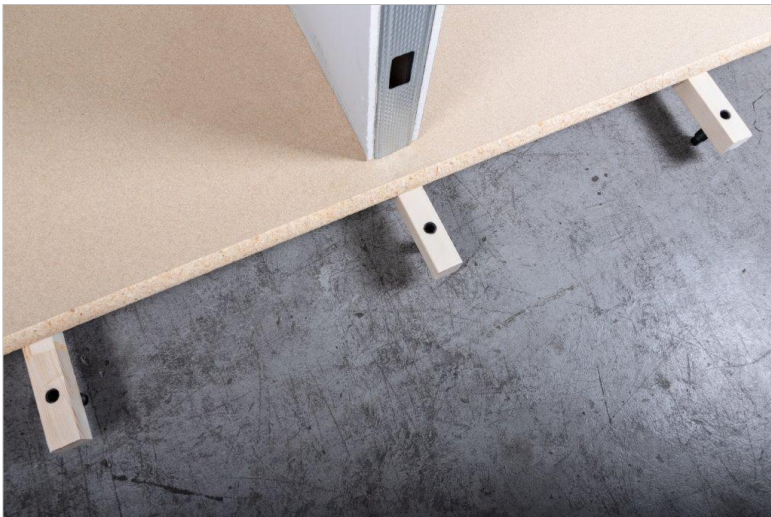
- ✓ The air gap created between the substrate and chipboard provides space for installations such as water, sewage, electricity, data and ventilation.



- ✓ Installation space up to 347 mm from the bottom of the chipboard.



✓ Lightweight wall transverse joists.



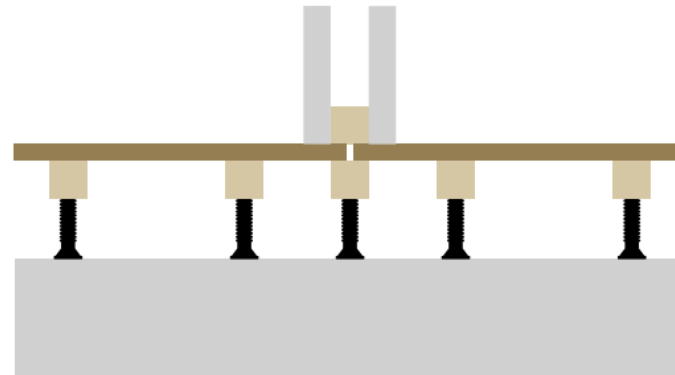
✓ Joists directly under the lightweight wall.



- ✓ Joist directly under lightweight wall and furniture wall.



- ✓ Slotted chipboard.





✓ Doorway, threshold.



Alternative with 2 joists in the doorway



✓ Doorway, fire door.



THE NEW GENERATION OF FUNCTIONAL FLOORING

**Raised flooring with sound and practical solutions
for ventilation, installations, acoustics and outdoor
environments**

SubFloor is an entirely new generation of functional flooring. Our concept is the culmination of all the knowledge and experience we have gained from 50 years in the flooring industry – including 30 years as specialists in raised flooring.

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