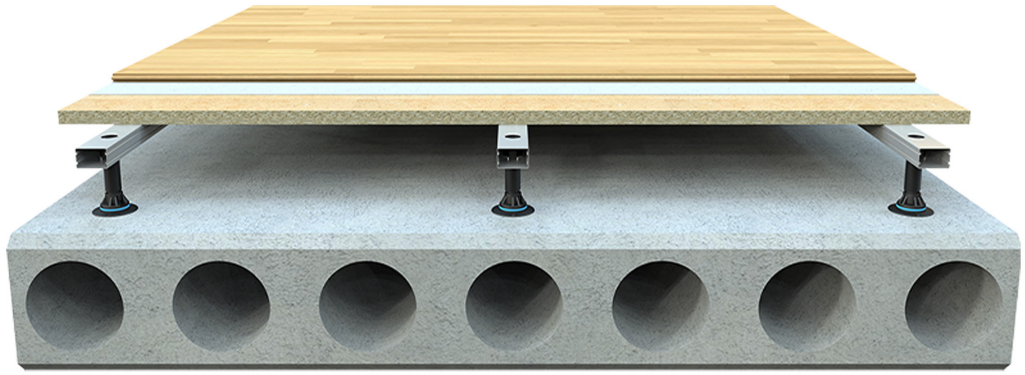
SUBFLOOR
GOLVREGELSYSTEM

Installation Instructions

RAISED FLOOR FROM SUBFLOOR
INDOOR STEEL JOIST 30 MM

SUBFLOOR FLOOR



SUBFLOOR AKUSTIC FLOOR

STRONGER – FASTER – SIMPLER

Manufacturer's Declaration

In accordance with § 17 of BFS 2013:6 Type 7. Upon delivery to the construction site, this manufacturer's declaration must always be handed over to the site management. Prästängen Byggsystem ensures that the manufacturing of the SubFloor Floor Joist System is carried out in accordance with TG certificate SCO692-17 and the associated documents for this certificate.

SUBFLOOR
GOLVREGELSYSTEM

SubFloor is sold and marketed by Prästängen Sverige AB
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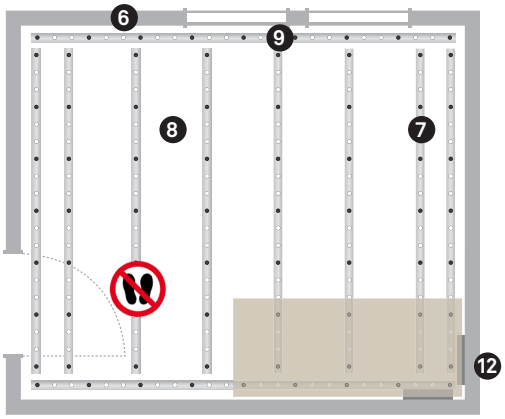
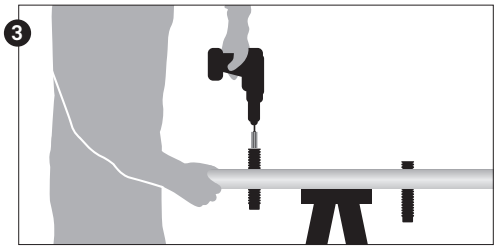
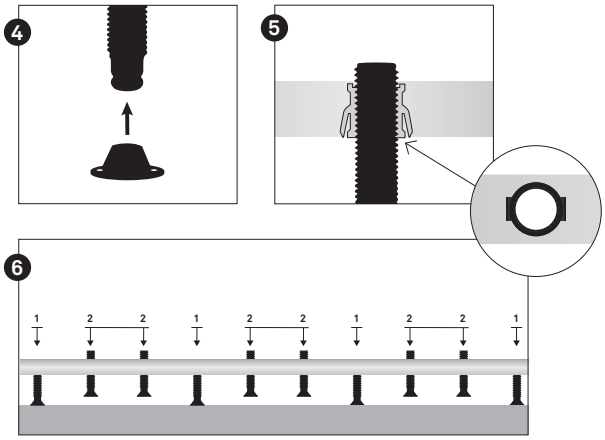
PREPARATION



1. Mark out the reference height for the floor.
2. The base surface must be clean and sealed.
3. Install the SubFloor screws into the joists. At least 30 mm of the screw must be screwed into the threaded sleeve. Screw down the end screws and the middle screw to the approximate height. The remaining screws should be set a few centimetres lower.
4. If screw feet are to be used, attach them to the screws before fixing the screw feet to the base.
5. The joist is installed with the snap side of the threaded sleeve facing downwards.

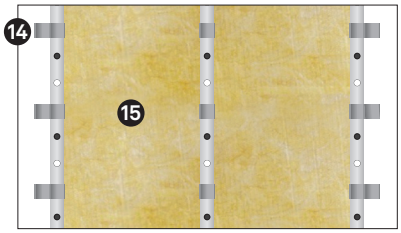
ASSEMBLY





6. Start by installing the perimeter joists along the walls (20–60 mm from the wall). Where floor vents will be installed, the distance from the wall must be at least 30 mm. First secure (see Fastening Methods) the end screws and the middle screw, and adjust the height to the correct level. The steel joist must not be overtightened. Screw down and fasten the remaining screws.
7. For load-bearing (furniture-supporting) walls, install an extra perimeter joist at c/c 300 mm.
8. Continue installing joists. The c/c spacing can vary depending on the surface finish and specific requirements. Maximum c/c is 600 mm.
9. All joist ends should be installed with a gap of 5–20 mm to other joists.
10. When cutting a joist, install a new threaded sleeve (ensure snap sound) in the last hole. Then insert a new plastic screw.
11. Any protruding screws in the joist should be cut flush with the top of the joist.
12. When installing 300 mm screws, the chipboard flooring must be joined with silicone/mastic in the room corners by 30–40 cm for lateral stabilisation. When using 200 mm & 300 mm screws together with acoustic feet 12 & 25, the chipboard must also be joined in the corners.

INSULATION*



13. Clean the concrete slab before installing insulation and the top floor covering.
14. Place insulation supports so that each insulation sheet is supported at three points on each side.
15. Place insulation 35–95 mm thick with the reinforced side facing downwards. 20 mm insulation is reversible.

**Not included in Type Approval Number SC0692-17 but has been tested by the manufacturer for use in combination with the SubFloor construction.*

- For best results, we recommend using P- or CE-marked 22–38 mm chipboard, at least P6 class or equivalent. Follow the manufacturer's installation instructions.
- Glue and screw the chipboard to the joists with chipboard screws intended for steel joists.
- Glue must not be applied over screws or screw holes.
- SubFloor components and particle boards should be adapted to EKS load groups according to EKS loadtables.
- The steel joists must not be loaded before chipboard is installed.
- Examples of glue and fastening to steel joists are available at subfloor.se/montering

FASTENING METHODS

A separate fastening guide for the Screw Foot Acoustic 12 & 25 is available at SubFloor.se

Nail gun with screw foot / acoustic screw foot:
1. Fasten the nail to the plate of the screw foot.
2. Ensure the fixing is secure before height adjustment.

Concrete plug 5x22 mm with screw foot / acoustic screw foot:
1. Drill at least 30 m with a 5 mm drill bit. Remove drill dust.
2. Tap down the concrete plug so that the collar rests flush against the screw foot.

Concrete/wood screw with screw foot / acoustic screw foot:
1. Fasten the concrete/wood screw into the plate of the screw foot. Screw as vertically as possible to prevent the foot from lifting from the substrate.
2. The collar of the concrete/wood screw must rest flush against the screw foot.

Gluing with screw foot / acoustic screw foot: (not applicable to acoustic foot 12 & 25)
1. Apply 3–5 g between the concrete and the screw foot.
2. Allow to cure before height adjustment.

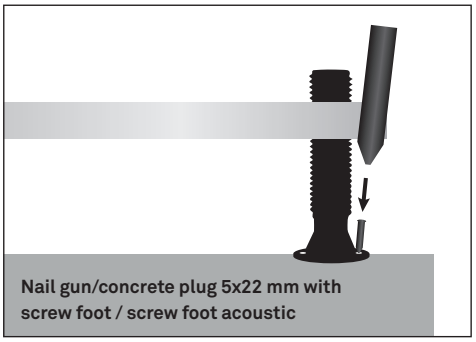
We recommend fastening the outermost screws and middle screw of the joist with, for example, a concrete plug, while the remaining screws can be glued. The type and quality of the floor structure determine the fastening method.

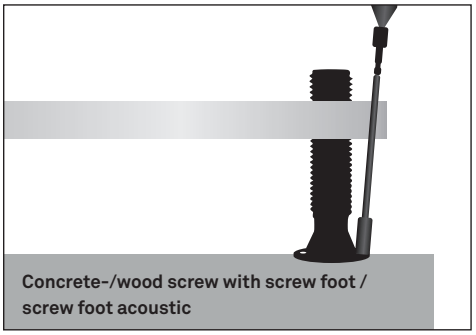
When installing without screw foot / acoustic screw foot:

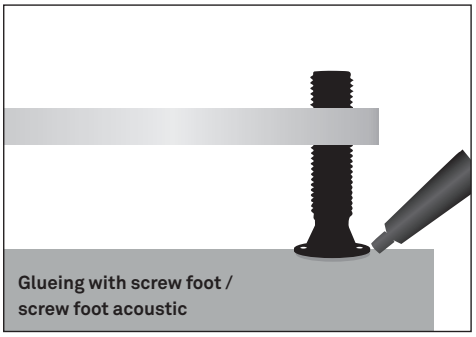
Concrete plug 6x40 mm:
1. Drill at least 45 mm with a 6 mm drill bit. Remove drill dust.
2. Carefully press/tap the plug in so the collar sits flush against the base of the screw.

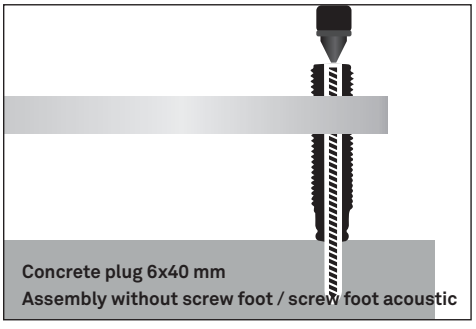
Concrete/wood screw 7.5x42 mm:
1. Drill at least 45 mm with a 6 mm drill bit. Remove drill dust (for concrete floors).
2. For timber bases, the screw can be screwed directly into the base without pre-drilling.
3. Use the 8 mm bit and bit holder.
4. Screw in the concrete/wood screw so it sits flush against the base of the plastic screw.

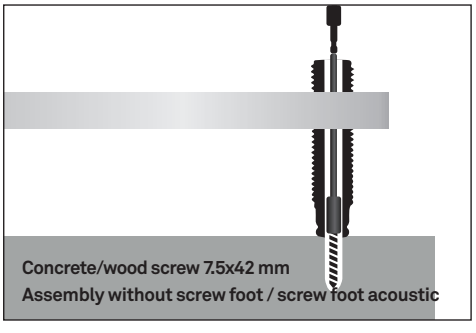
- If the surface under the screw / screw foot / acoustic screw foot is very uneven, level it with a hammer or similar tool.
- The SubFloor screw/screw foot/acoustic screw foot must be securely fixed to the substrate.
- If a SubFloor screw is incorrectly installed, it must be removed. Insert a new threaded sleeve and install a new screw in the hole closest to the previous one, ensuring a snap sound. The distance between screws must not exceed 600mm.
- Plastic screws and threaded sleeves must always be installed in the holes nearest the ends of the joist.


Nail gun/concrete plug 5x22 mm with screw foot / screw foot acoustic


Concrete-/wood screw with screw foot / screw foot acoustic


Glueing with screw foot / screw foot acoustic


Concrete plug 6x40 mm
Assembly without screw foot / screw foot acoustic


Concrete/wood screw 7.5x42 mm
Assembly without screw foot / screw foot acoustic