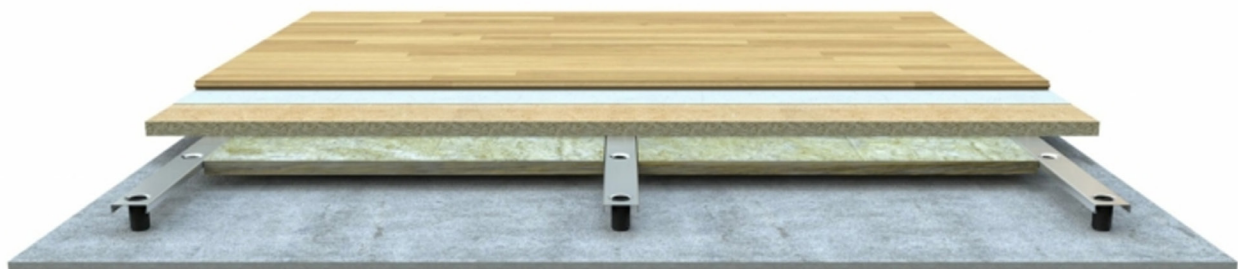


Installation Instructions

RAISED FLOOR FROM SUBFLOOR

INDOOR STEEL JOIST 11 MM



SUBFLOOR FLOOR



SUBFLOOR ACOUSTIC 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 SC0692-17 and the associated documents for this certificate.

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. 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 In the Steel joist 11 mm the screws must be installed in every other hole, i.e., the distance between screws must not exceed c/c 400 mm.

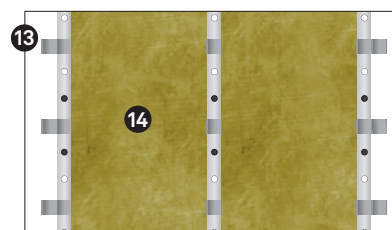
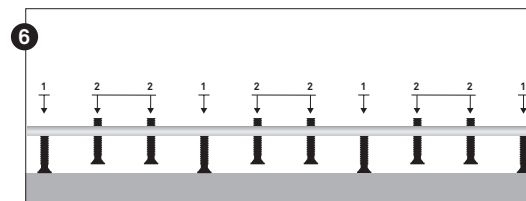
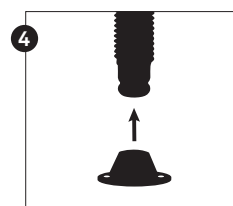
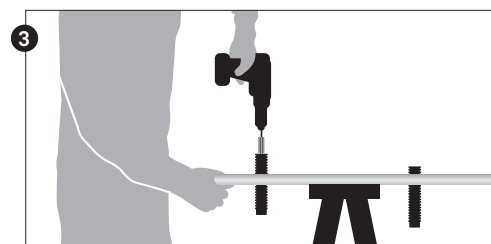
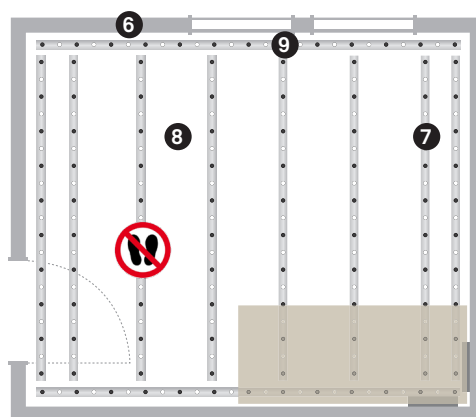
ASSEMBLY

- 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, always install a plastic screw in the hole nearest the end of the joist.
- 11 Any protruding screws in the joist should be cut flush with the top of the joist.

INSULATION*

- 12 Clean the concrete slab before installing insulation and the top floor covering.
- 13 Place insulation supports so that each insulation sheet is supported at three points on each side.
- 14 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.
- Ensure that the chipboard screws do not reach down into the substrate structure.

- Glue must not be applied over screws or screwholes.
- 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/en/laying/



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 mm 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.

Wood screw with screw foot / acoustic screw foot:

1. Fasten the wood screw into the plate of the screw foot. Screw as vertically as possible to prevent the foot from lifting from the subfloor.
2. The wood screw collar should 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:

Wood screw:

Install the wood screw into the plastic screw using a bit holder and bit.

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. Continue by installing a new screw in the hole nearest to the previous one.

