



Installation Instructions

RAISED FLOOR FROM SUBFLOOR
INDOOR WOODEN JOIST - SPRUCE



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. Prästängens 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

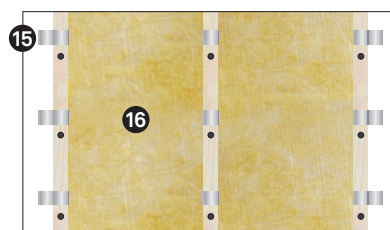
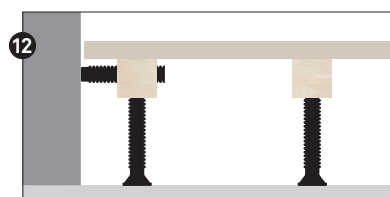
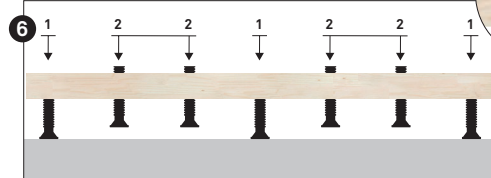
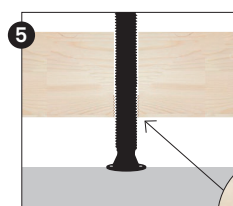
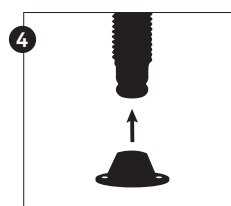
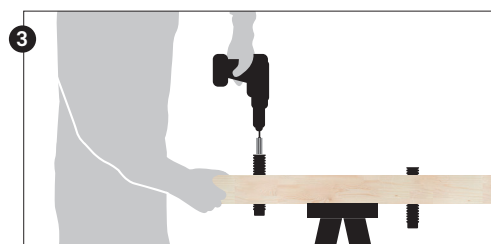
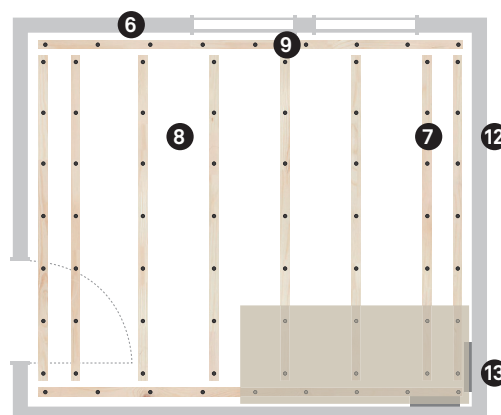
- 1 Mark out the reference height for the floor.
- 2 The base surface must be clean and sealed.
- 3 Install the SubFloor screws into the joists. At least 34 mm of the screw must be screwed into the wooden joist. Screw down the end screws and the middle screw to the approximate height. The remaining screws should be a few centimetres lower.
- 4 If screw feet are to be used, attach them to the screws before fixing the screw feet to the substrate.
- 5 When installing a 120 mm wooden joist, the pre-threaded side must face downwards.

ASSEMBLY

- 6 Start by installing 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. 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 The maximum overhang from the joist end to the first/last hole must not exceed 100 mm. When drilling a new hole, use a 22 mm wood drill bit. Slowly insert/screw in a new screw in the hole. Alternatively, screw/attach a cut-off piece with a threaded hole to the side.
- 11 Any protruding screws in the joist should be cut flush with the top of the joist.
- 12 When installing with 300 mm screws, support screws must be mounted horizontally in the perimeter joist, 2 pcs/joist. Drill the hole with a 22 mm wood drill. The support screw should be placed tight against the wall without fastening, alternatively apply a silicone or mastic in the corners where the chipboard meets the wall for 30–40 cm.
- 13 When installing with 200 & 300 mm screws together with acoustic foot 12 & 25, the support screw option should not be used; instead, the chipboard should be joined in the room corners 30–40 cm for lateral stabilisation.

INSULATION*

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



*Not included in Type Approval SC0692-17, but tested by the manufacturer for use in combination with the SubFloor structure.

- 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 wooden joists.
- Glue must not be applied over screws or screw holes.
- SubFloor articles and particle boards should be adapted to EKS load groups, contact our support for more information.
- If a new hole is needed, use a 22 mm wood drill.
- For heavier loads and e.g. tiles, a closer c/c spacing (c/c 300 mm) may be required.

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 into 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 deep with a 5 mm drill bit. Remove drill dust.
2. Tap down the concrete plug so that the collar lies 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 lie 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 from both the screw and the hole.
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) from both screw and hole.
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. Proceed by drilling a new hole with a 22 mm wood drill bit next to the old one and install a new screw (see point 10).

