

Screwing Baseco floors to plywood on concrete

These installation instructions supplement Baseco's instructions that are supplied with delivery. **Wood floors on concrete slabs with or without embedded underfloor heating:**

Construction

- Concrete slab
- 0.20 plastic film
- Carpet felt
- 12 mm or 15 mm thick plywood
- 14 mm, 20 mm or 25 mm thick wood floor

Installation

1. Plastic film is laid over the concrete slab.
2. Carpet felt is added.
3. Plywood is installed loosely with offset joints. NOTE: for doorways, plywood must not be joined parallel with the wall. The plywood will hold a moisture ratio of up to 10%.
4. The wood floor is installed perpendicularly to the length of the plywood.
5. Apply a line of wood glue under the floor board between the tongue and the first loose tracks. The floor is screwed to the plywood using special screws from Baseco. Max. 400 mm between screws. NOTE: The long sides of tongue and groove boards must not be glued (only the short ends). With a sheet of plywood, the board is screwed 50mm from the sheet on both sides.

14 mm floor screw: PTS 28 mm

20 mm floor screw: LPSF 35 mm

25 mm floor screw: PWS 33 mm

Screwing the floor (25 or 30 mm) in concrete

The concrete must be of good quality and have a flat surface. Check thoroughly that there are no installations embedded in the concrete which could be damaged when drilling in the concrete (floor heating systems, water pipes and similar). **NOTE:** Always install a test board first if you are unsure of the quality of the concrete.

Installation with a concrete screw is performed in the same way as for normal screwing. The difference is that the screw requires pre-drilling.

1. First apply 0.2 mm of durable plastic film. Sheets are installed with overlap.
2. Roll out rubber strips on top of the plastic foil across the floor installation direction. Lay the strips with a c/c measurement of about 600 mm. Start and finish approximately 5 cm from the wall on both sides of the room.
3. Pre-drill at 45 degrees with a rotary hammer and SDS drill through the board's tongues, rubber strips, moisture barrier and down into the concrete.
4. Pull out the drill and fit the screw.

Material Requirements

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| 1. Concrete Drill | SDS 4.0 × 160 mm. |
| Usage | 1 drill/10–15 m ² . |
| 2. Concrete Screws | 5.0 × 50 mm (for 25 mm floor). 5.0 × 60 mm (for 30 mm floor) |
| Usage | 25 × 135 mm floors (approx. 14 screws/m ² , c/c 600 mm) |
| | 25 × 155 mm floor (approx. 12 screws/m ² , c/c 600 mm) |
| | 25 × 180 mm floor (approx. 10 screws/m ² , c/c 600 mm) |
| | 30 × 180 mm floor (approx. 10 screws/m ² , c/c 600 mm) |
| | 30 × 230 mm floor (approx. 8 screws/m ² , c/c 600 mm) |
| 3. Moisture barrier | Durable plastic film 0.2 mm. |
| 4. Moisture barrier for drill holes | EPDM rubber strips 2.0 × 50 mm (moisture barrier for drill holes) |
| Usage | Approximately 2 metres/m ² (c/c 600) |