Installation of solid boards
Floor laying

Wood is a living material

A wooden floor has amazing properties, with each board having its own unique look. The natural movement of wooden flooring is affected by ambient humidity (RH) and temperature.

MOISTURE CONTENT AND RH

In our factory, the wood is dried to "furniture dry" level, i.e. a moisture content of around 8%. This is to ensure that the floor moves as little as possible after installation. Wood adapts to the relative humidity of the air. The ideal environment for solid floors is where the humidity is between 30–60%, which also corresponds to the Hus AMA (General material and labour description for house building) regulations.

INSTALLATION

We recommend that each board is screwed to the substrate, where possible. This is to allow each board to move individually, while also being the best installation method. The boards may shrink during the drier part of the year, giving rise to gaps between the boards. If the finished floor needs to be supplied with a protective cover, use a material that allows the floor to breathe. Never apply tape directly on the floor's surface.

UNDERFLOOR HEATING

Our floors can also be installed in combination with underfloor heating. Underfloor heating may result in slightly larger shrinkage cracks. The floor may be heated to a maximum of 27°C. Always lay a vapour barrier when installing on top of underfloor heating or concrete. Wooden joists, spaced boarding, chipboard and plywood in the subfloor should have a maximum moisture content of 9.5%. Install the floorboards at right angles to the direction of the underfloor heating coils.

STORAGE

Check that the packaging is intact on receipt of the goods. Repair any damage to the packaging. Keep the flooring dry and under cover. The flooring should be left in its unopened packaging at room temperature for 24–48 hours prior to installation. Open the packaging as the floor is being laid.

Installation

Screwing solid wood flooring into concrete

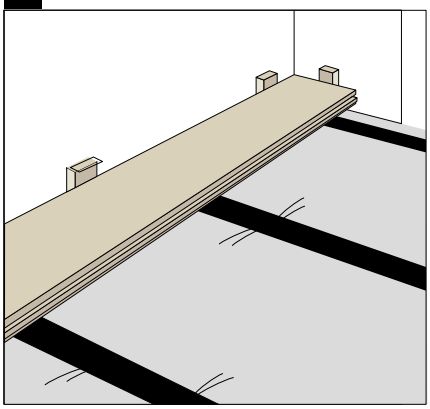
Only use boards with a thickness of 20, 25 or 30 mm.

Check that the concrete is of good quality and has an even and level surface. Make sure that no embedded installations, such as underfloor heating coils, water pipes, etc. could be damaged when you drill into the concrete. Concrete screws should be installed at a depth of around 30 mm into the concrete. Any underfloor heating coils must be installed as far down onto the insulation under the concrete as possible. Always perform a test installation of a board first to test the concrete quality. See Baseco's accessories price list to select the appropriate concrete screws and concrete drill bit.

Tools: Drill for SDS drilling, screwdriver, straightedge, saw, hammer, wedges, impact blocks, SDS drill, vacuum cleaner.

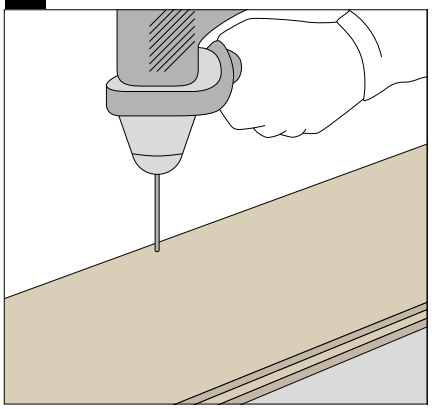
Materials: Plastic film, tape and wood adhesive (not sold by Baseco). Concrete screws, concrete drill bit and rubber strips (can be purchased from Baseco). See table of accessories below.

1



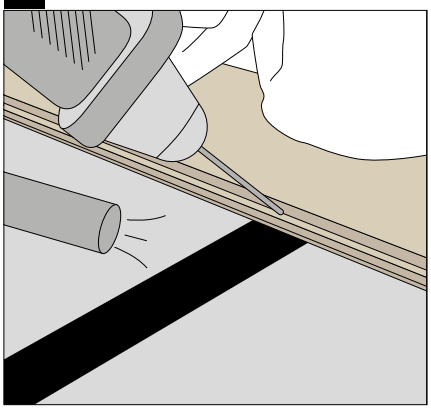
Lay the plastic film and tape with an overlap of 20 cm. Lay rubber strips with a centre-to-centre distance of 300 mm for 20 mm floor boards and a centre-to-centre distance of 600 mm for 25/30 mm floor boards.

2



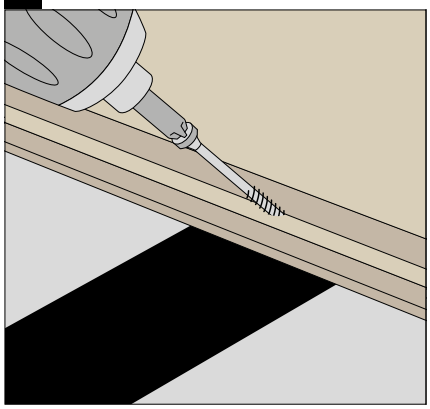
Ensure that the first board is installed straight. Place a wedge at the wall to ensure a distance of 5 -10 mm to the board. Pre-drill and secure the first board using screws close to the wall. This will subsequently be covered by a wide skirting board.

3



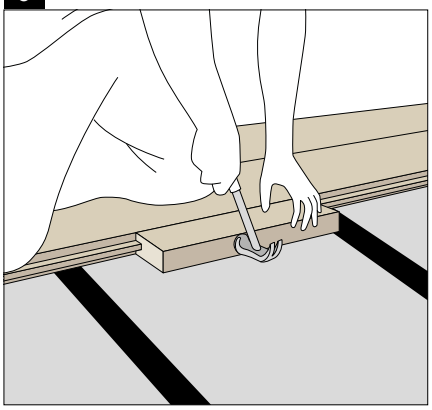
Pre-drill through the spring, rubber strip, plastic film and into the concrete (centre-to-centre distance of 600 mm for all floors). Baseco concrete drill: 3.8 x 135 mm for 20 mm floor boards / 4.0 x 135 mm for 25 and 30 mm floor boards. Vacuum up any dust. Drill to the correct depth so that the screw does not bottom out during installation and break off.

4



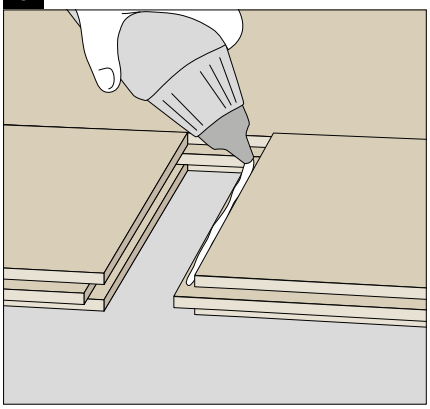
Screw the board into place. Install screws with a centre-to-centre distance of 600 mm.

5



Lay the next board. Use an impact block. Kneel on the board during installation as this will keep the board in place while you secure it with screws.

6



Glue the short ends (not long sides) when splicing the next board.

4

CALCULATION GUIDE

Floor dimension	Rubber 2,0 x 50	Drill 3,8 x 135	Drill 4,0 x 135	Screws 4,5 x 50	Screws 5,0 x 50	Screws 5,0 x 60
20 x 135	4 m/m^2	2 pcs/10m^2		13 st/m^2		
25 x 135	2 m/m^2		2 pcs/10m^2		13 pcs/m^2	
25 x 159	2 m/m^2		2 pcs/10m^2		11 pcs/m^2	
25 x 180	2 m/m^2		2 pcs/10m^2		10 pcs/m^2	
30 x 180	2 m/m^2		2 pcs/10m^2			10 pcs/m^2