

INSTALLATION INSTRUCTIONS

Tools needed for the installation:

- jigsaw / handsaw
- pencil
- carpenter's rule or tape measure
- protective gloves
- try square
- drill
- hammer
- Installation kit (plastic impact push block, expansion blocks and pull bar)
- *underlay (preferably Dumafloor underfloor)*

Please read the installation instructions carefully. The guarantee will not be valid if the instructions are not followed exactly. All information is provided in good faith and reflects our current knowledge. Consequently, it may not be used against us.

Acclimatisation, preparation and checks

- Lay the packages down flat for 48 hours and at least 50 cm (20 in) away from a wall in the room where the floor is to be installed in order for the product to adapt to room conditions. The ideal ambient temperature before and during the installation is approximately 20°C, while the ideal floor temperature is 15°C to 18°C.
- Direction of grain: the floor will in general look best if the planks are laid in the long direction of the room and/or in line with the direction the light enters (**illustration no.1**).
- In order to achieve a neat cut, the plank should be held with the finished face upward as laid when using a handsaw, but upside down when using a jigsaw.
- Heat sources with direct heat radiation higher than 50°C onto the floor must be avoided at all costs! Dumafloor must not be laid in rooms with an ambient temperature higher than 50°C, and lower than -20°C.
- Open the packages as and when you need them during the installation and carefully check each laminate plank before it is laid. A plank that is laid with defects will not be covered by our guarantee.

Substrate

- Remove the skirting boards and cut the door architraves for the floor to fit under these. Check whether the door still opens and closes properly when a plank and underlay are placed under it (**illustration no.2**).
- Remove all dust and ensure that any uneven areas greater than 2 mm are removed. The substrate must be sound, without any loose parts and smooth with no more than 3 mm height difference per metre.
- Install an underlay or underfloor on a hard substrate (**illustration no.3**). Soft substrates must be completely removed before installation. Fit the underfloor at right angles to the direction of the final floor. The underfloor ensures that the substrate is level and also offers a sound absorbing function at the same time. The laminate planks must also be laid at right angles to the direction of the planks of existing wooden floors.

The following conditions apply when laying a floor on under-floor heating:

- The use of Dumafloor-underfloor is recommended. Use of a different brand of underfloor will invalidate the guarantee since we cannot fully guarantee that our flooring can be installed on a floor with underfloor heating in such a case.
- The tubes of the underfloor heating must be laid at no less a depth than 30 mm.
- Switch the underfloor heating off beforehand. The temperature of the floor must be between 15°C and 18°C.
- Delay switching on the underfloor heating by 24 hours after finishing the installation. Increase the temperature gradually by a maximum of 5°C per day.
- The maximum contact temperature of the floor is 28°C. The maximum temperature of the water is 50°C. There must not be any cold and warm zones within one floor area. Please note that the above maximum floor contact temperature under loose rugs must not be exceeded!

Expansion and shrinkage

- Even after installation the floor remains subject to expansion and shrinkage due to variations in temperature. There should be a gap of minimum **10 mm** between the floorboard edge and any fixed object such as a wall, door jamb, threshold, pipes etc. (**illustration no.4**). The same gap should also be used for the joints between the flooring and heavy objects such as kitchens, waterbeds or wardrobes which are placed on the laminate floor.
- In large spaces: As a rule of thumb an expansion gap of at least 1 mm per 1 m of floor should be provided on **both** sides of the room, at a maximum temperature difference of 40°C measured on the floor. This is essential in spaces where big temperature differences occur, such as verandas or sun rooms. If the temperature difference is more than 40°C, the width of the expansion gap must be increased by 50%.
- Transition gaps and profiles should be applied where necessary to absorb any further expansion and shrinkage.
 - Per 8 running metres, length or width at 40°C temperature difference.
 - Per 10 running metres, length or width at 20°C temperature difference.
 - At every room entrance or door aperture.
 - At every change from a wide room to a narrow one.

If no expansion or changeover gaps are provided, the guarantee will be null and void.

Example:

Room of 4 m x 5 m = 10 mm expansion gap on all sides.

Room of 10 m x 20 m = 10 mm expansion gap on all sides plus threshold gap of 20 mm at length of 10 m.

Fitting

- This flooring is fitted as a floating floor and must not be glued or nailed.
- If the wall is not straight, the shape of the wall must be transferred to the first row of planks and cut to shape to fit (**illustration no.5**).
- The CLICK system enables fast and glueless installation. Start by laying the first row in the left hand corner of the room. Place the first laminate plank in a corner of the interior in such a way that groove (A) (**illustration no.6**) lies against the wall (**illustration no.7**). Do not forget the expansion joints at both sides of the room. Fit the first row along the whole length of the room. Moisten either groove (A) or tongue (B) of the CLICK profile with a damp sponge to make the installation easy.
- Fix the first row with the help of off-cuts or a few expansion blocks before starting the second row. Make sure that there is a 10 mm gap along the wall.
- For the second row: use the off-cut from the last plank of the first row only if it is longer than 30 cm. Ensure that the end-to-end joint of the planks is at least shifted by 30 cm compared to the preceding row (**illustration no.4**). Fasten this element by 'clicking' it lengthways onto the first row (**illustration no.8**).
- For the next plank of the second row: click the short end of the plank fast onto the preceding plank (**illustration no.9**). Put your hands under the plank and lift it momentarily. The preceding plank in the same row will also be lifted. Fasten this element by firmly clicking it lengthways onto the first row (**illustration no.10**). Once the joint has been made, lay down the flooring onto the underfloor. If necessary use an impact push block or an off-cut of 10 cm x 10 cm (**illustration no.11**).
- Carry on with this method for the rest of the area. We recommend sitting down on the planks that are already fitted when laying the floor. This can be done from the third row.
- The last row: place each plank that is part of the last row on top of the penultimate row. Take a third plank and a pencil and draw the shape of the wall and make sure that the 10 mm expansion gap is not forgotten (**illustration no.12**). Use an impact push block to ease the last row into place.
- For pipes: drill holes with the same diameter as the pipes and add 15 mm, cut in the diagonal of these slots (**illustration no.13**). Slide the plank on and apply some glue in the slot around the pipe to re-fill it (**illustration no.14**).

Finishing

- The floor can be walked on immediately.
- Remove all blocks. Fit the skirting boards and fix them to the walls. Do not glue them down on the flooring, allowing the floor to expand and contract under the skirting board. If required, put a collar or mastic round the pipes. Arrange your furniture.

Maintenance

- Straightforward sweeping or vacuum cleaning with a brush head on the vacuum cleaner. The floor can also be cleaned like a tiled floor, with a mop and water and with a non-scouring cleaning product. Do not use any aggressive detergents or cleaning agents containing corrosive acids or salts such as decalcifiers and hydrochloric acids. Do not use steam cleaners.
- Remove stains such as coffee, soft drinks, ketchup etc. immediately with lukewarm water and detergent. Remove nail varnish and lipstick with acetone.
- Fit the legs of chairs and other furniture with protective self-adhesive felt pads. It is advised to provide all furniture with felt pads. Lift furniture when moving it. Never slide across the floor.
- Use a soft castors for desk chairs and such, or provide a protective mat.
- Dirt absorbent doormats and other protective floor covers keep persistent dirt off.
- Do not apply any varnish or wax. This will invalidate the guarantee.

