

fatra

RS-click

LAYING REGULATION

RS-CLICK

PN 5434/2010



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Installation manual, floating floor method without gluing

BEFORE YOU START

- We recommend that the installation is carried out by a properly trained specialist. Only a specialist can evaluate the building readiness of the sublayer and the temperature and humidity conditions of the environment. A true professional will be aware of the rules and standards that must be followed for proper floor installation (ČSN 74 4505, ČSN 49 2120).
- Vinyl floors with surface finishing are suitable for the floating method of assembly in building interiors only. It is necessary to follow the instructions for installation and maintenance strictly. Vinyl floors with surface finishing need to be acclimatised for at least 48 hours before installation in unbroken packaging under room conditions. Any other material being used must also be duly acclimatised. A total of 48 hours should be sufficient for acclimatisation, however, it may be necessary to wait even longer to compensate for moisture. Store the flooring in its unopened packaging. Do not use it in humid rooms such as bathrooms or laundry rooms.
- Before installation, vinyl floors must be checked for defects under sufficient light. Subsequent damage resulting from the installation of vinyl flooring with visible defects will not be compensated for. Slight differences in colour and texture enhance the impression of a natural material and are the hallmark of the floor.
- Install the vinyl flooring using the floating method without glue. Do not use aggressive methods for installation (use ramming blocks). Incorrect installation may damage the interlocking joints. Installation is also possible by gluing the short sides of the floor tiles – see the instructions below.
- Vinyl flooring should be used in rooms with a temperature range of 18-27°C and a relative air humidity of 30-60%, to avoid excessive shrinkage or swelling of the central wooden-based layer.

SUBFLOOR

- The subfloor must be inspected as to whether it is ready for installation in compliance with ČSN 74 4505, and levelled using a pouring screed. The base must be clean, free of cracks, stable, flat and dry. Minor protruding irregularities such as paint drops, plaster residues, etc., should be removed. Do not exceed the permissible unevenness of the subfloor according to ČSN 74 4505, Table 1, line 1; for every 2 metres in length, the unevenness should not exceed 2 mm. It is necessary to remove textile floor coverings such as carpets, felt, etc.
- The vinyl floor covering is based on a wood-based board, so the following moisture content applies according to the CM method: Concrete screed <2.0 CM (1.8 CM with floor heating) Anhydride screed: <0.5 CM (0.3 CM with floor heating).

FLOATING FLOOR INSTALLATION

- First install PE foil with a minimum thickness of 0.2 mm. This foil serves as a barrier against moisture and also as a slipping pad. The edges must overlap by at least 20 cm. Use a tape resistant against moisture to secure the overlap joints. Bring the foil about 3 cm up the walls.

- Thanks to the bottom cork layer that is part of the flooring, no additional damping or insulating pad is required. Further measures to improve sound insulation are seldom possible and should not be implemented. If additional sound insulation is used, please note that the interlocking joint is not suitable for use with flexible and soft sound insulation pads.

LAYING DIRECTION

- The direction in which the floor is laid is influenced by the visual proportions of the space. If you have hired a specialist for installation, they must approve the laying direction with you.
- Prior to laying the floor tiles, the room depth must be measured. The number of rows depends on the measuring result and the tile width. Unless the last row is at least 5 cm wide, the first row must be cut so that the first and last rows are approximately of the same width.
- Depending on the installation conditions (spatial arrangement, area size [max. 8x8 m square], etc.), it may be necessary to use expansion joints. Expansion joints should be used when installing vinyl flooring in multiple rooms (e.g. at the door frame where the levels of different rooms meet). A properly trained specialist should decide whether any expansion joints are needed and, if so, where they should be located. Expansion joints may be necessary especially in narrow areas. All expansion joints can be fitted with suitable profiles.

FLOOR HEATING INSTALLATION

- Vinyl flooring with surface finish can be laid also on floor heating. It is necessary to follow the special installation instructions. This may be required by the manufacturer.
- In particular, we should point out that the available surface of the flooring must not exceed 24°C at a sub-base temperature of 28°C, even in marginal areas, under carpets and under furniture (otherwise flooring overheat will occur). During the heating season, especially when there is excessive heat flow or low relative humidity, gaps may form between the panels.
- To avoid this phenomenon, you can glue the panels together at their shorter sides.

LAYING

First row:

1. Start in the left corner of the room. Place the first tile with its tongue against the wall. Ensure that there is sufficient clearance from the wall – approx. 1 cm – by using spacers on the longitudinal and front sides of the tile.
 2. Place the second tile as a direct continuation of the first one. Raise the tile at an angle of approx. 20° and match the tongue and groove of the front side. When the lock engages, tilt the tile down. Press gently to make it easier to join the next tile. For perfect connection, tap slightly on the front of the already-laid tile using a hammer and ramming block.
 3. Continue in the same manner up to the last tile in the row. The last tile usually needs to be cut short.
- The gap from the walls should always be parallel to the wall. If the wall is not straight enough, place the first three tiles without spacers. Slide the laid tiles to the wall and mark the shape of the wall on them using a wall tracer. Disassemble the tiles and adjust their shape.
 - When working with a hand saw, always cut the tile with the decor upwards. When working with an electric saw, turn the tile with the decor downwards. (A)

Following rows

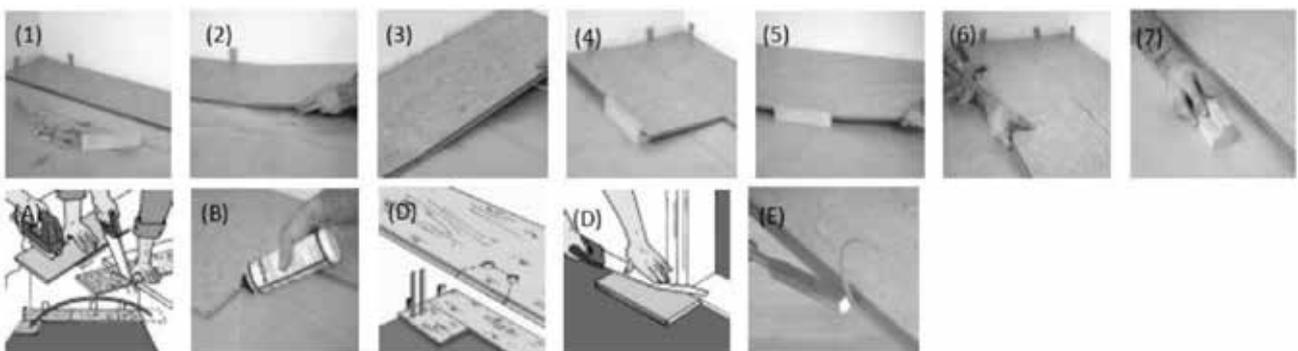
4. Start the second row with the remaining tile part from the first row. The overlaps between the joints of the short sides of adjacent tiles should be about 30 cm. Use a spacer to create an expansion joint between the wall and the short side of the tile in the next row. Tilt the first tile of the new row at an angle of approx. 20°, match the tongue with the groove on its long side and support it with a ramming block.

5. Snap the next tile into place from the front side, so that there is only a short distance for its insertion to the longitudinal joint.

6. Insert the still-raised tile to the longitudinal tongue. Insertion is easier when the tile is slightly raised. When inserting, do not disconnect the tight front connection. Push near the front joint to prevent this.

7. Once the longitudinal and front joints are firmly in place, remove the ramming block and place the panels on the floor by careful tapping using the block. Do not push them down without tapping. Slight tapping ensures that the locking system engages correctly. This assures the optimum connection. Continue with installation according to the specification up to the last row of panels.

- Gluing – of your choice (B): Unless you wish to use a system with non-glued joint, apply evenly a small amount of water-resistant PVAc glue to the special grooves in the profile on short sides of tiles. If some glue protrudes to the panel surface, remove it immediately using a damp rag.
- Around a pipe (C): Drill a hole 2 cm larger than the pipe diameter into the tile. Cut the tile from the hole to the edge. Install the tile. Glue the cut section back. Cover the expansion joint with a rosette.
- Door frame (D): Place a free tile with the decor down to the door frame and cut the frame at the height of the tile.
- Installation in a place where the tile cannot be raised (E): Whenever the installation conditions do not allow the part to be raised (installation under door frames, railings, etc.), simply remove the protruding part on the groove side. The joint then corresponds to a conventional tongue and groove system and must be glued together.
- The floor is walkable immediately after installation. Remove the spacers. Cut off any overlapping foil. Glue the skirting boards with mounting glue or screw them to the wall, never to the floor. If in doubt about any of these points, contact your dealer.



We hope to give you the best advice we can by providing these instructions. They are based on tests and our rich experience. Since the user's experience and expertise and site conditions are beyond our control, we cannot assume any responsibility for the information provided. Please consult your dealer's technical support before you start working on major projects. This information is subject to technical changes. Mistakes and omissions may occur. For more information, see www.tilo.com.

The logo for 'fatra' is written in a blue, lowercase, italicized serif font.

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