



TONGUE & GROOVE GLUE DOWN INSTALLATION INSTRUCTIONS

Applicable to:

Kährs ID Chevron Collection 15mm 5/8"



TOOLS & TECHNIQUES

Tongue & Groove Glue-Down Installation

Prior to Installation

- Read these installation instructions carefully
- Review the "Sub-floor and Installation Preparation Instructions" before installing the flooring.
- Door casings should be notched or undercut to avoid difficult scribe cuts.

Subfloor Preparations

- The subfloor must be dry, flat, clean and solid. Remove fitted carpets and glue residue. Check that the subfloor is flat and level over measured lengths of 8'. If any unevenness exceeds $\pm 1/8"$ over 8', the floor must be leveled first. When installing on Floor-heating the surface must never have a temperature above 81° F

Cleaning the Subfloor

- Never leave sawdust or other organic residues on the subfloor. The subfloor must be cleaned thoroughly to prevent mold.

Storage

- Do not open the packs of flooring until you are ready to install. Open the packs only when needed during installation. Before installing a wood floor, ensure that the material and the room have a temperature between 55° - 85°. If the protective plastic has been damaged, repair it with tape to prevent moisture damaging the contents.

Glue

- Consult your glue supplier to get a glue and trowel that is appropriate for gluing down wooden floors. The subfloor dictates what is needed. Follow the instructions from the glue supplier carefully. Important to consider are the quality and humidity of the sub-floor, the type of glue and the amount and tack time.

NOTE: Do not glue in tongue and groove WHEN INSTALLING!

Opening Packages

- The wood floor is supplied at 7% wood moisture content. If packs are opened too early, the boards can absorb moisture and expand, which makes them difficult to fit together. If packs have been opened, they must be resealed carefully with tape to stop moisture getting in and adversely affecting the boards.

Inspection

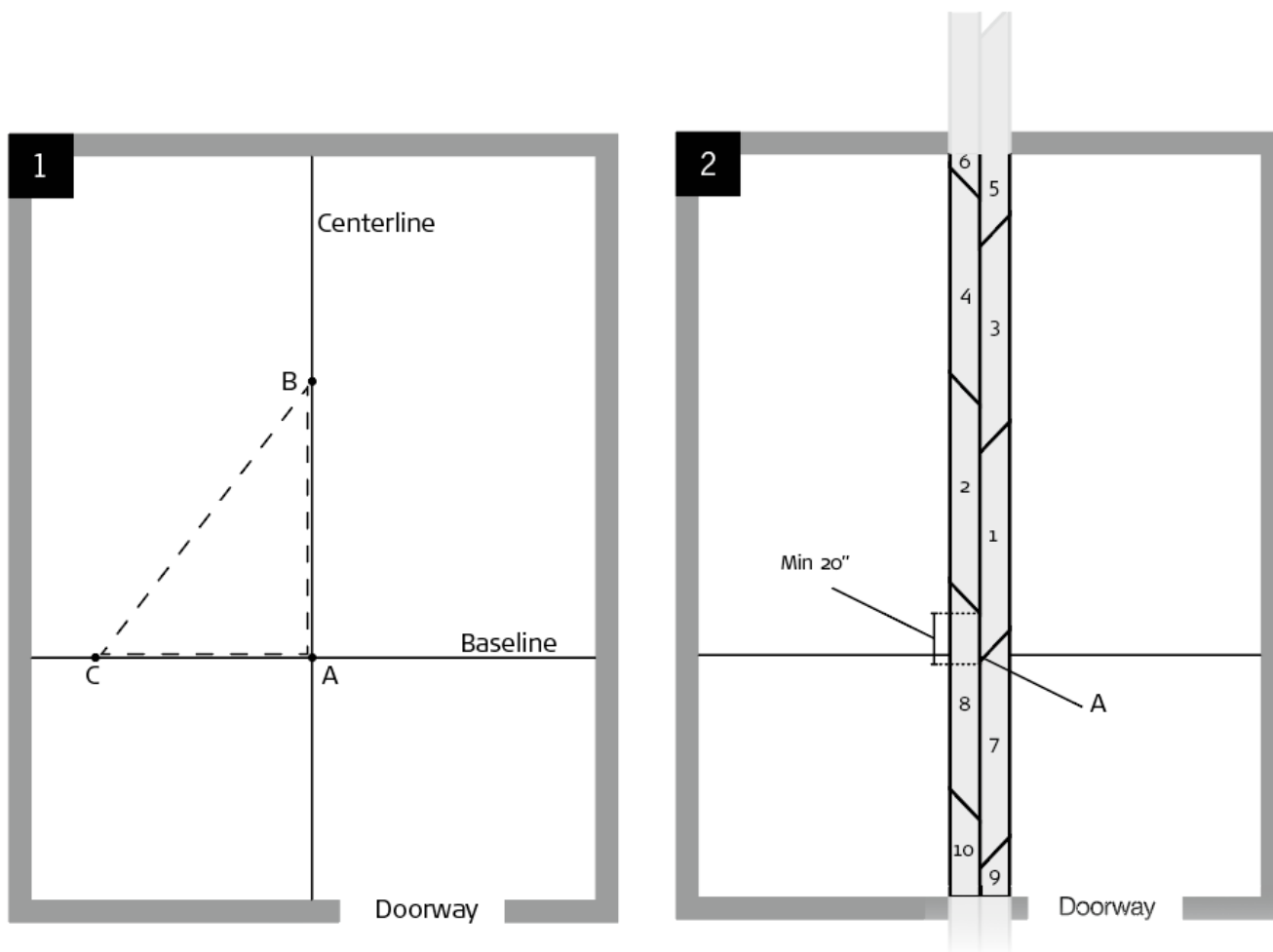
- It is always easier to rectify faults if they are discovered early. Always make a habit of inspecting the product at the time of installation. Always make sure that inspection and installation are carried out in good light. Boards with obvious faults that are or should be detectable before installation must not be used. Faulty products can, of course, be exchanged with your supplier or ourselves. Claims for installed planks with obvious visual defects cannot be accepted.

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Tongue & Groove Glue-Down Installation - Chevron Pattern

Chevron is a pattern produced by alternating rows of strip flooring. Since it is difficult to install it is best left to a skilled craftsman. Before installation begins it is crucial to prepare the correct angles. Precision of angles is extremely important to make a good-looking installation.

- Step 1. Check the room for squareness. Measure the diagonals of the room. If they are equal, the room is square.
- Step 2. Two things must be considered when deciding on the orientation of the Chevron pattern:
- The long dimension of the room
 - The pattern running to the major architectural interest point of the room (e.g. main entrance, window wall or fireplace).
- Step 3. Begin with establishing the center-line of the room. Normally this is in the center of the room, but sometimes it is better to use an optical centerline e.g. in the center of two door openings. Chalk the "centerline" on the floor. (See picture 1).

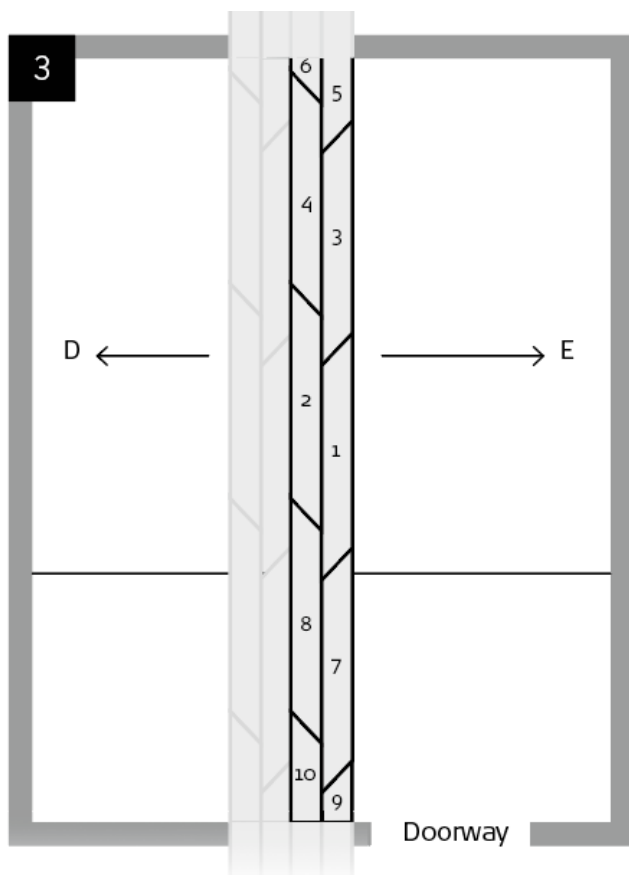


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- Step 4. Establish the baseline. Define the starting point A on the working line about 39" from the near wall. Mark the second reference point B 48" along the working line. Define point C to the left of point A at the same time as you measure the distance between B and C. This distance should be exactly 60". Now you can snap the baseline between A and C, which is perpendicular to the working line and measures exactly 36". Extend the line so it goes to the outer walls. (See picture 1)
- Step 5. Define the starting point along the centerline. Utilize the surface and pre plan the pattern to fit the surface. The installation should be done creating the Chevron pattern. This demands high precision and focus on the joining of the boards avoiding opening between boards or boards installed out of square. (See picture 2)
- Step 6. Start installing flooring at intersection between center and baseline, the point marked with A. Place the first piece of flooring as shown in picture 2. The tongue edge of the piece should follow the center line and the base of the board must be positioned on the baseline.
- Step 7. Continue the installation according to the suggested flow in picture 2. When installing you should maintain a distance between the short end of the boards of at least 20". This is crucial and will help keep a straight line and avoid an uneven pattern.

NOTE: Continuously check alignment squareness and make sure that no gaps open up between boards during installation.



- Step 8. Continue placing the boards in the order shown in picture 3. Continue with the pattern until reaching the far wall. Put weights on the floor that has been glued down. Let the glue on the first row of boards dry until you continue with the next. Then work the pattern to the right, one row at a time, alternating the direction of the flooring. (Always orient the tongue in the same direction.) Start each row carefully. Use the square to align the starting piece on each row and periodically check alignment. Leave pieces that fit along walls as the last step. Work with high focus on the fitting of the patterns and make sure it is correctly aligned throughout the whole installation.

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Step 9. Upon completing the installation in direction D, go back to the intersection of the working lines and complete the installation in direction E, one row at the time. Carefully align the first board of each row and periodically check alignment with the carpenter's square.

To prevent unwanted movements of the installed surface, continuously place weights (e.g. packages of boards to be used) on already installed areas.

Step 10. Cut pieces to within $\frac{3}{8}$ "- $\frac{1}{2}$ " of the walls. THIS $\frac{3}{8}$ "- $\frac{1}{2}$ " IS EXPANSION SPACE. The floor moves as the air humidity varies, and should therefore have a movement joint of $\frac{3}{8}$ "- $\frac{1}{2}$ " movement joint next to walls and fixed objects (stairs, pillars, door frames, etc.).

Step 11. Finally, install the wall base/quarter-round to the wall. Kährs parquet flooring is supplied ready to use given a coat of oil at the factory but requires another coat immediately after installation to give extra protection.

The floor MUST be treated with an extra coat of Kährs Satin Oil immediately following installation.

Easy to Maintain

One of the big advantages of a Kährs floor is that it is so easy to keep clean and tidy. It is treated with natural oil, which gives a smooth, easy to clean surface. You need only vacuum it, and occasionally wipe it with a damp cloth. Spillages usually leave no marks on your Kährs floor provided that you wipe them off immediately. Do not allow water to lie on the floor either, particularly on maple and beech floors, which are extra-sensitive to moisture. How to maintain the floor is found in the Maintenance & Repair Guide that you will find on www.kahrs.com.

NOTE: Adhesive Tape on Kährs Floors

The use of adhesive tape on any Kährs floor for any reason (i.e. to fasten temporary protection) is not recommended and is not covered in our warranty.

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