

Pattern Layouts

Herringbone and Chevron

Installation Guidelines

Purpose

When installing Hakwood flooring in pattern layouts such as herringbone or chevron, precise installation is essential for both structural integrity and aesthetic appeal. This document outlines the specific requirements for achieving optimal pattern installations.

These guidelines must be used in conjunction with the [Hakwood Installation Instructions for Flooring](#) document. All general requirements regarding:

- Climate control
- Surface preparation
- Storage and handling
- Environmental conditions
- Installation methods

as specified in the main document must be met in addition to the specific requirements detailed below.

Structural Benefits

- | | |
|--------------------------|--|
| - PATTERN STABILITY | Proper pattern alignment ensures the floor stays level and stable. Each pattern type has specific installation requirements that contribute to the overall structural integrity. |
| - INSTALLATION PRECISION | Following the specified angle and alignment requirements helps maintain pattern accuracy throughout the installation process. |
| - JOINT DISTRIBUTION | Strategic positioning of joints within patterns helps distribute stress across the floor surface, reducing the likelihood of joint separation or gap formation. |

Aesthetic Benefits

- | | |
|----------------------|--|
| - VISUAL IMPACT | Pattern layouts create distinctive visual effects that enhance architectural spaces. Proper installation ensures these patterns achieve their intended aesthetic impact. |
| - PATTERN CONTINUITY | Precise alignment maintains pattern flow across the floor surface, creating a cohesive visual presentation. |

INSTALLATION REQUIREMENTS

1. Layout Preparation

- Carefully measure room dimensions
- Calculate optimal pattern distribution across the installation area
- Determine position center line based on:
 - Pattern type
 - Room layout
 - Sight lines
 - Fixed elements (doorways, columns)

2. Herringbone Pattern Installation

The herringbone pattern requires precise installation techniques to achieve both structural integrity and visual appeal. Careful attention to detail during the installation process ensures optimal results.

2.1 PRODUCT SPECIFICATIONS

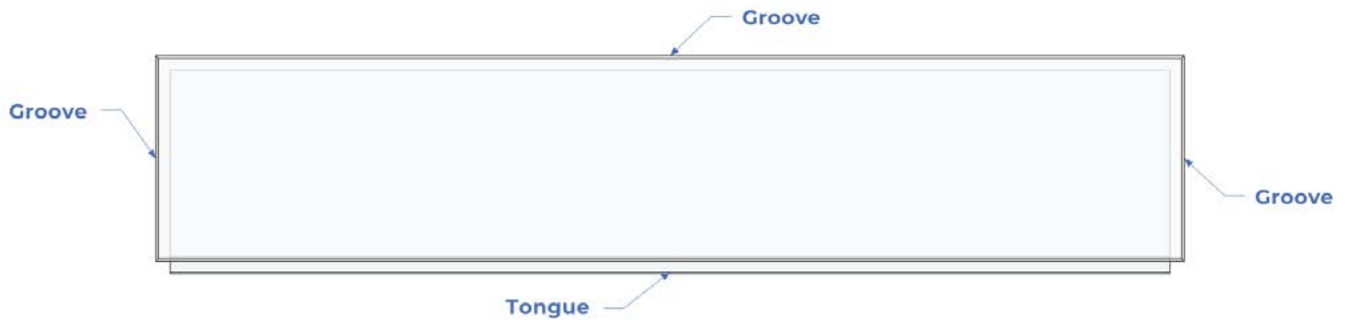


FIGURE 1

- Planks feature tongue and groove on the long edges
- Short ends are equipped with grooves on both sides
- All planks are identical - there are no left or right versions
- Planks can be used in either direction due to the double-grooved short ends
- Loose tongues (supplied with flooring) are used to connect short end joints where they meet long edge grooves

2.2 INSTALLATION PROCESS

Initial Layout

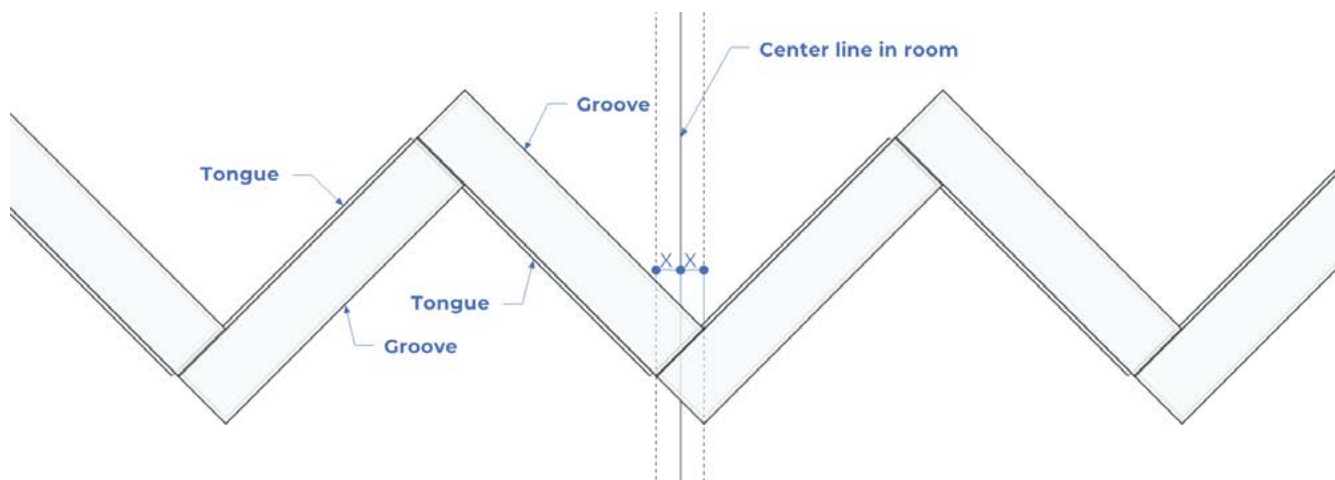


FIGURE 2

1. Determine the center line and starting position as illustrated in Figure 2.

For proper tongue and groove engagement, maintain consistent tongue direction throughout the installation: All tongues on long edges must point in the same direction as illustrated in Figure 2.

2. Install the first row according to the predetermined layout as shown in Figure 3:

- Apply adhesive according to manufacturer specifications
- Position each plank carefully to maintain pattern alignment
- Apply minimal pressure during placement to prevent displacement of previously installed planks
- Verify pattern alignment frequently during installation

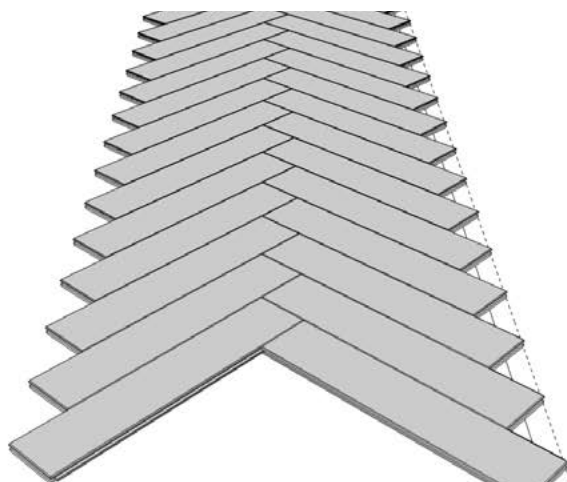


FIGURE 3

3. Verify alignment is at a 45° angle to the room's center line
4. Secure first row firmly to prevent movement during subsequent installation

2.3 CONTINUING INSTALLATION

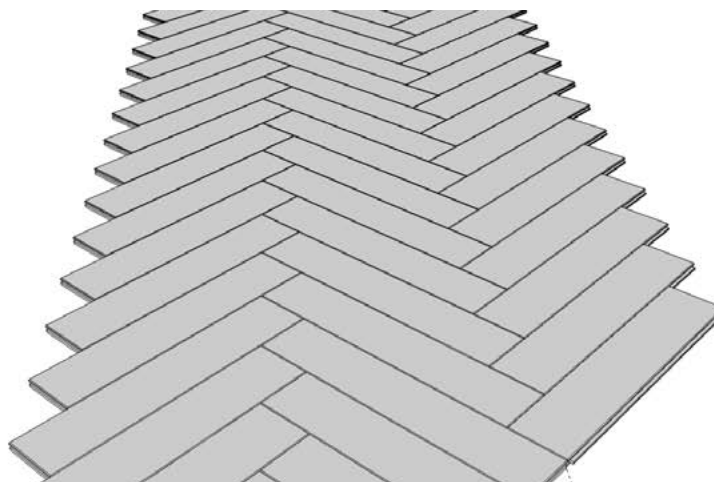


FIGURE 4

5. Install subsequent rows following the established pattern

6. Work one row at a time. Apply minimal pressure during placement to prevent displacement of previously installed planks

7. For optimal joint fitting, there are two approaches to completing the triangular spaces at row ends:

Recommended method:

- Cut and install end pieces immediately after completing each row

- Install while adhesive is still fresh

- This ensures optimal joint fitting and pattern continuity

Alternative method: If completing all end triangles after full pattern installation:

- Thoroughly clean all adhesive residue from tongue and groove connections at row ends

- Ensure joint areas are completely free of cured adhesive

- Clean subfloor surface in end triangle areas

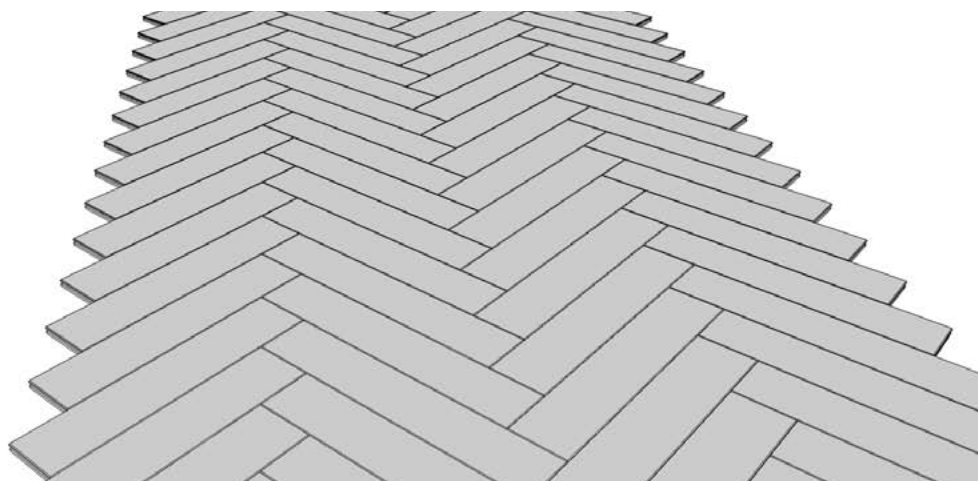


FIGURE 5

JOINT INTEGRITY

Insert loose tongues into end grooves where they meet long edge grooves

Clean excess adhesive immediately according to manufacturer specifications

3. Chevron Pattern Installation

The herringbone pattern requires precise installation techniques to achieve both structural integrity and visual appeal. Careful attention to detail during the installation process ensures optimal results.

3.1 PRODUCT SPECIFICATIONS

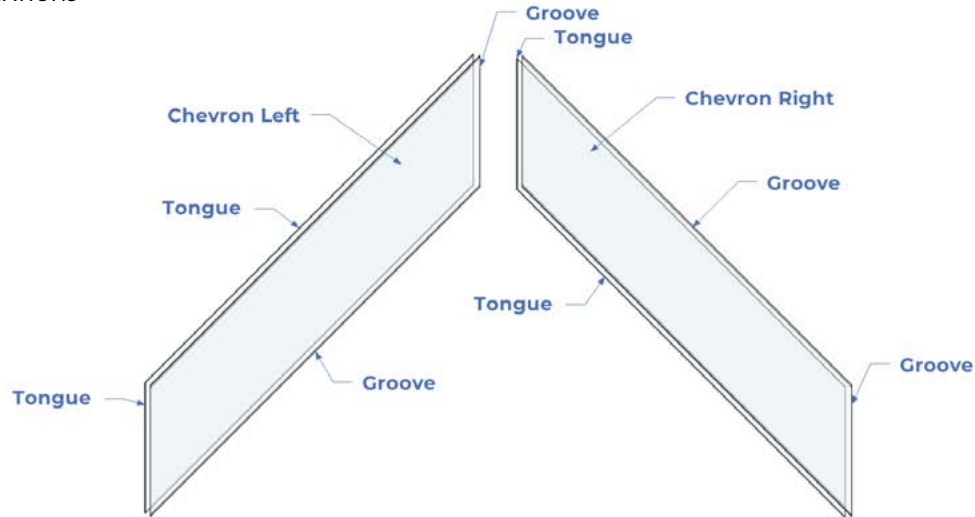


FIGURE 6

- Planks are produced as mirror-image pairs with factory-cut angles at 45° or 60°
- Tongue and groove connections alternate between left and right planks

3.2 INSTALLATION PROCESS

Initial Layout

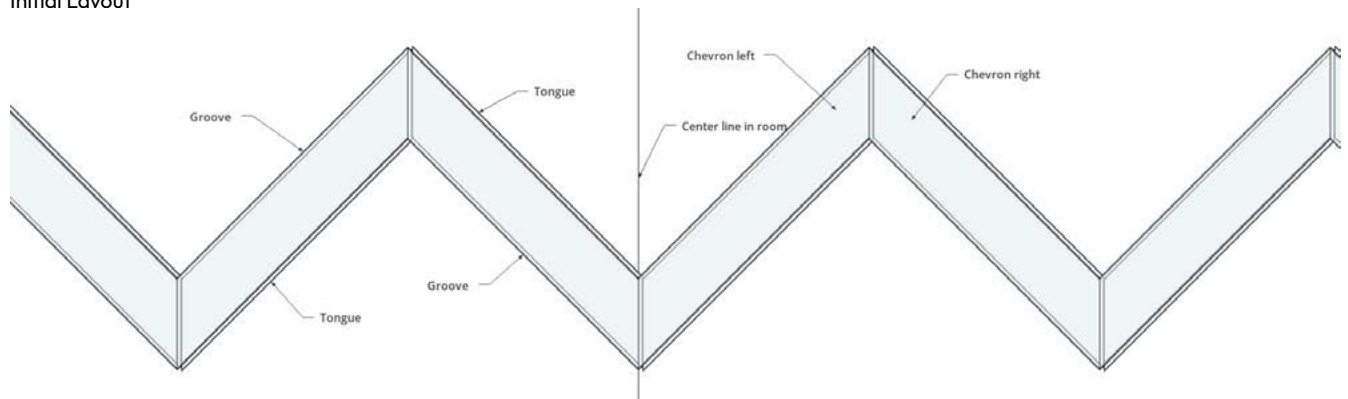


FIGURE 7

1. Establish the center line:

- Serves as primary reference for pattern alignment
- Position determines overall pattern appearance

2. Pattern orientation:

- Consider main sight lines and room features
- Account for natural light sources

3. First row installation:

- Begin at center line
- Place left and right planks to form first peak
- Verify angle alignment

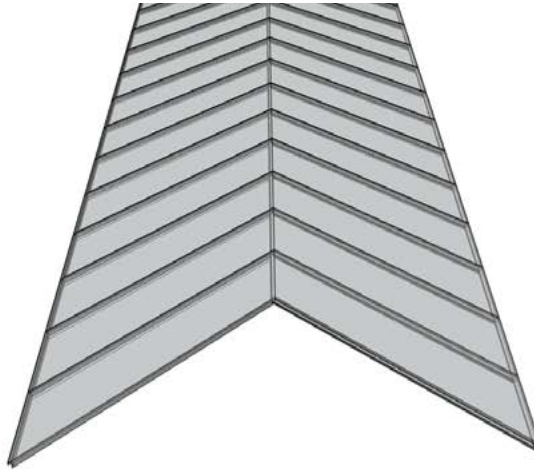


FIGURE 8

3.3 CONTINUING INSTALLATION

4. Work outward from center line:

- Maintain consistent adhesive application
- Install left and right planks symmetrically
- Check alignment frequently

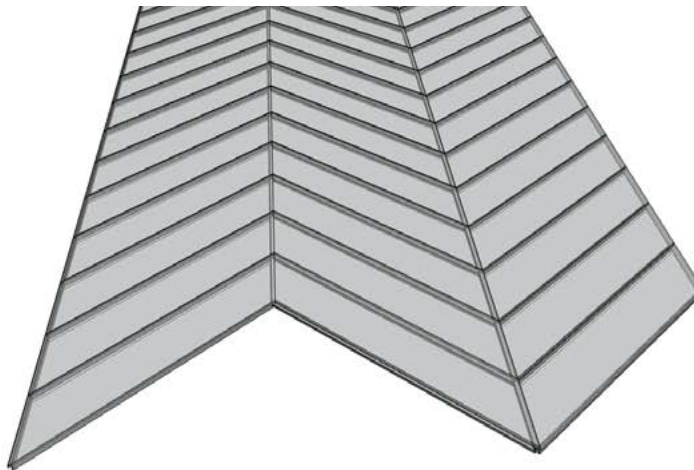


FIGURE 9

5. Row progression:

- Complete each row before moving to next
- Maintain parallel alignment with previous rows

4. Border and Frame Installation

For pattern installations with surrounding borders or frames, follow these sequential steps:

BORDER LAYOUT PREPARATION

- Mark border positions precisely on the subfloor before starting pattern installation
- Ensure all reference lines are clearly visible and protected during installation

PATTERN INSTALLATION

- Install pattern flooring intentionally oversized in relation to marked border lines
- Apply adhesive only within the marked border boundaries
- Allow adhesive to fully cure according to manufacturer specifications

PATTERN EDGE PREPARATION

- Cut pattern precisely along marked lines using a plunge circular saw with guide rail
- Ensure clean, straight cuts with splinter protection
- Remove all debris from cut edges

EDGE PREPARATION

- Mill new grooves around the perimeter of the installed pattern
- Optional: Create a manual bevel along cut edges
 - If beveled, apply appropriate finish to raw edges
- Touch-up kits can be ordered with the original flooring

BORDER INSTALLATION

- Use straight planks for border construction
- Connect using either:
 - Original tongue of the border plank, or
 - Loose splines (supplied separately)
- Apply adhesive to both subfloor and groove connections
- Secure borders firmly using wedges or tension blocks until adhesive cures