

Installation Information for Hakwood Herringbone Flooring Herringbone Duoplank[®] 20mm (3/4") and 15mm (5/8")

Hakwood is the inventor of the Duoplank[®], the current standard for wide width, long length engineered flooring. The wood top layer is adhered to the highest grade multi-ply birch plywood to produce a dimensionally stable product. That is why Hakwood flooring offers the look of solid wood flooring, combined with the installation flexibility of an engineered floor. The Duoplank[®] is available in planks and herringbone.

Important information before you start:

It is EXTREMELY IMPORTANT that you read and understand this information completely prior to starting, since improper installation can void the warranties.

Product use

Hakwood engineered products can be installed above, on or below grade. As defined in the Hakwood document Subfloor heating and Cooling document, the Hakwood Duoplank can also be installed over subfloor equipped with radiant heat systems and is distinguished by the variety of patterns that can be created during installation.

Herringbone shall only be installed by the glue down installation method as mentioned in the Hakwood installation information document. It is highly recommended that professionals be called upon due to the detailed attention required for the installation of this type of floor.

Installer/Owner responsibility

- Goods should be brought inside the building and Inspected before installation for completeness of order.
- Hakwood flooring installation shall be the last step of any construction or renovation project.
- Warranties do not cover materials damaged during transport and or with visible defects once they are installed, whereby natural characteristics of wood cause variations in wood grain, figure, character marks, texture or color and are not covered under warranties.
- Transport damages should be reported on the delivery document directly during signing for delivery when possible and when not accepted as it, returned to the transporter.
- Provisions must be made to prevent the product from sliding or falling.
- The installer assumes all responsibility for the final inspection of product quality.
- This inspection of all flooring should be done prior to installation.
- Carefully examine flooring for quality, finish and color before installing it.
- The installer must use reasonable selectivity and hold out or cut off pieces with deficiencies, whatever the cause.
- If material is doubtful as to grade, manufacture or factory finish, do not install it and contact your supplier immediately.
- The use of stain, filler or putty stick for the correction of minor defects during installation should be accepted as normal procedure
- Even though our products are inspected many times, some grading deficiencies may occur (in up to 5% of the floor area).
- When flooring is ordered, at least 5% must be added to the actual quantity needed for cutting and grading allowance.



Tools & accessories needed

All installations*

Dust mask, broom or vacuum, chalk line & chalk, (electric power) saw, spline/slip-tongue (reversing tongues), level, scraper, leveling compound, eye protection, hammer, hand saw or jamb saw, moisture meter (wood, concrete, or both), Hakwood power cleanser, square, tape measure, pry bar.

*When installing site finished products sanding equipment may be applicable.

PRE INSTALLATION & JOBSITE CONDITIONS

Refer to the *Hakwood Installation Information*.

Measure

Step I: Herringbone Installation guide lines

The secret of a successful Herringbone floor installation is measurement accuracy. The more accurate the measurement is, the better the results. Exactitude of room measurement is equally important. When beginning installation, validate measurements regularly and make necessary adjustments. Floor strips are manufactured using the metric system and installation will be much more precise if measurements are taken accordingly.

Herringbone Layout

1. Hakwood Herringbone engineered flooring can be laid out in several ways (Figure 1) as parallel or at a 45-degree angle to the room.

Regardless of direction, it is **very important to consider**:

- The longest direction of the room, or
- Major architectural landmarks, such as main entrance hall, wall with window or fireplace

as Herringbone will require a centerline and two working lines (Figure 2).

NOTE: The multiple of the width should equal the exact length of the piece. If the width of the product varies, this will cause separations at the end of the herringbone pieces.

2. Use reference lines throughout the area that is being installed.

3. Measure the room for center and strike the main control line, perpendicular line and diagonal reference line (Figure 2).

4. The working lines are determined by either dividing the diagonal measurement by 4 or calculate $\sqrt{a^2 + b^2} = c$ (Figure 3).

5. Strike the two working lines alongside the main control line (Figure 4) and begin by laying out a few alternating slats.

6. Measure the distance from Line 1 to Line 2. Line 3 should be 1/2 that distance and run parallel to Lines 1 & 2. The centerline of the room and the center of the pattern is represented by Line 3.

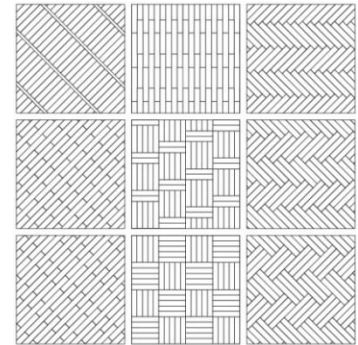


Figure 1

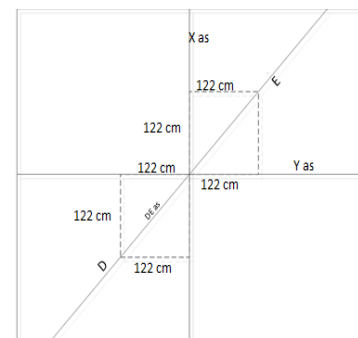


Figure 2

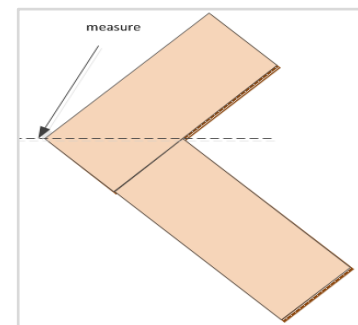


Figure 3

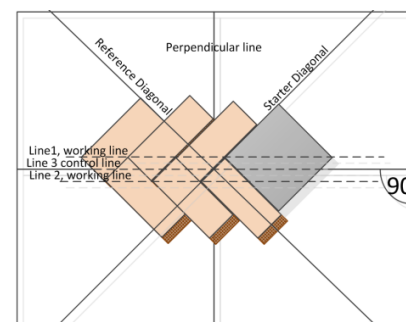


Figure 4



Herringbone Glue down Installation instructions

Step II: Herringbone Installation guide lines

1. To begin installation on working Line 2 (See Figure 4), cut a square piece of plywood the size of the herringbone pattern.

For example, if the herringbone pattern is 3" x 12", cut a 12" x 12" square of plywood.

2. Fasten the piece of plywood at your starting point on Line 1, with one corner of the square pointing in the direction of the pattern.

3. After at least three slats are placed in the next row check for squareness and the angle to make sure the pattern is placed correctly.

4. Continue placing the pieces in order started. Continue with the pattern until reaching the far wall. Then work the pattern to the right, one row at a time, alternating the direction of the flooring always with the tongue in the same direction.

Each row will require its starting piece to be aligned to the previous row and a periodically alignment check.

5. When completing the upper right area, go back to the intersection of the working lines and complete the upper left area by one row at a time. Carefully align the first piece of each row and periodically check alignment with the backer board. Alternate the direction of the flooring until upper area is completed.

6. Continue with the two remaining areas in the room. Start at the centerline and continue working the herringbone pattern backwards. When installing the pattern backwards it is easiest to maintain alignment by coming back with double rows. The first double row back into the lower left and right quadrant will be aligned with the reference line." After completing the first double row, continue installing two rows at a time until reaching the left wall.

See also:

Hakwood GENERAL TERMS AND CONDITIONS OF SALE
Hakwood INSTALLATION INFORMATION
Hakwood CARE AND MAINTENANCE INSTRUCTIONS
Hakwood SUBFLOOR HEATING AND COOLING
Hakwood HEAT SENSORS
Hakwood TECHNICAL PRODUCT INFORMATION
Hakwood MATERIAL SAFETY DATA SHEET
Hakwood Limited WARRANTY

