



Installation Instructions

Ornato Hybrid Herringbone Flooring

Please read the following instructions before starting the installation

Applications

Ornato Hybrid Herringbone is a floating laying flooring system. It can be installed on hard and flat surfaces such as concrete, tiles, vinyl, timber floors, plywood or particle board as long as the floor is structurally sound, clean, level, smooth, dry and does not have any large cracks.

Ornato Herringbone is waterproof therefore can be installed in wet areas like bathrooms or laundries but are suitable for internal areas only therefore should not be installed in external environments exposed to the elements.

Important: Ornato Hybrid cannot be installed over carpets.

The subfloor moisture content must not exceed 4.5%.

All grout joints and cracks need to be smoothed out with a levelling compound to avoid shadowing.

Existing timber floors may require a ply or hardwood overlay if they are not compliant with subfloor standards.

Preinstallation

Inspection

Important: Please carefully inspect all material before installation. It is industry standard to permit a defect tolerance up to 5% due to manufacture. The installer assumes all responsibility for final inspection of product quality and should not use or cut off pieces with deficiencies. Boards that do not lie straight or flat should not be installed. Any flooring installed with obvious visual or structural defects will not be warranted.

Acclimatisation

Ornato Herringbone are sensitive to temperature changes and should only be installed in normal living conditions of 15 degrees C to 28 degrees C. The building should be roofed and enclosed with the temperature and humidity inbetween 15 degrees C to 28 degrees C for at least 48 hours prior to installation.

Flooring should be delivered at least 48 hours prior to installation and stored internally to adjust to normal room temperature and humidity in the room it is being installed. The boards should be stored flat not near any air conditioning vents, heaters or direct sunlight. The planks can only be stacked to a maximum of four high and must be removed half an hour from their boxes prior to use.

Job site conditions

It is the responsibility of the installer/owner to determine that the job site conditions are suitable and environmentally acceptable for storage of flooring prior to installation as well as the commencement and completion of installation. Eco Flooring Systems declines any responsibility for failure resulting from or connected with sub floor, sub surface, or job site damage, or deficiencies after flooring has been installed.

Ornato Hybrid Herringbone should only be installed in the final stages of completion of a construction project with all trades people having left the site. All work involving water or moisture should be completed prior to installation (cement work, plastering, painting, plumbing, and tiling etc). Should this not be the case, installation should be delayed to avoid damage to the flooring and allow for changes of humidity in the room.

Before commencing, ensure that the floor will fit under doors and skirting boards. It may be necessary to remove the skirting boards to allow a suitable expansion gap around the perimeter, or to trim doors and architraves.

Note: Eco Flooring Systems makes no warranty or guarantee of the quality of the chosen installer's work. Eco Flooring Systems disclaims all liability for any errors or improprieties in the installation of its product by an installer.

Subfloor Preparation

It is vitally important to check the following points before laying your floor:

* Good ventilation with all sub floor areas having adequate air vents to all external walls

(min size recommended is 230mm x 170mm x 2000mm apart)

*Minimum clearance of 400mm from the ground to the underside of the sub floor

(crawl space)

*Adequate cross ventilation in internal dwarf walls (full brick construction) ensuring these walls are ventilated in the same manner as the external walls. If subfloor is open to the elements on the underside, additional protection by a vapour barrier is required on the underside of the subfloor.

*Level and smooth sub floor. Level flat to 3mm per 3m radius.

*Surfaces must be clean and dry, free of dirt, wax, oil, paint, curing agents or other contaminants.

*Lightweight concrete is not suitable unless more reinforcing agent is added to it.

Leveling

Uneven or damaged surfaces must be repaired with a cement leveling compound, following the manufacturer's instructions (eg Ardex K12) or use a plywood underlay (10mm min). Secure plywood with corrosion proof concrete nails or screw fix with masonry spaghetti. Seal all drill holes. The ply must be fixed securely with nails at least 300mm apart. Inadequate fixing will result in a noisy floor when you walk on it.

Installing the Floor

Important: **NOTE: IT IS RECOMMENDED THAT YOU EMPLOY A PROFESSIONAL FLOORING CONTRACTOR WHO OWNS A MOISTURE METER TO LAY YOUR FLOORING. IT IS THE INSTALLER'S RESPONSIBILITY TO CHECK THE MOISTURE OF THE CONCRETE AND**

OTHER CONDITIONS IN THE HOUSE BEFORE LAYING THE FLOOR

Work out of multiple boxes. For optimal results, mixing cartons and staggering the boards creates a random, natural shade effect.

All thresholds or openings need to be fixed with a 10cm strip of pressure sensitive adhesive.

Materials required:

- * Table Saw
- * Tape measure
- * Double sided tape (eg Bear) or pressure sensitive adhesive (eg Ardex AF 143)
- * Grout system (eg Ardex FG 8)
- * Floor levelling compound (eg Ardex K12)

Ardex products are available Australia wide through Mitre 10 stores.

Installation

During installation, make sure that you mix up the floor panels sufficiently so that there are not too many identical, lighter or darker panels next to each other.

1. Measure the room before you start fitting. Indicate the middle of the width of the room.
2. First, Check and clean subfloor.
3. Start with laying a few complete zig-zag rows over the width of the room by connecting the short side of the panels into the long side of the adjacent panel. (Figure 1)

Figure 1

4. For aesthetic purposes it is best to center the middle of this row in the middle of the room. (Figure 1)
5. In order to save on material waste, you could however shift the row a couple of centimeters from the center of the room to avoid very short planks on the sides.
6. Start laying the successive rows from the left of the room. Follow the order indicated on the image below for the easiest installation method. (Figure 2)
7. To connect the panels: angle the long side of the panel in the long side of the adjacent panel in the row above. Use a snap movement to connect the short side of the panel in the long side of the second panel in the row above, you can use a rubber hammer and tapping block for snapping in. Make sure the panel is angled down completely before snapping in the short side. (Figure 2)
8. Continue the installation like this row by row towards the end of the room. (Figure 3) Always check each joint before continuing.

9. When no more rows can be fitted in the room, start measuring and cutting the left-over pieces on all four sides. Our recommended method: first fill up the floor area to the left and right of the already installed flooring area, then continue with the leading and trailing edges. (Figure 4)

10. Make sure to respect the expansion gap as per the specific characteristics of the product on all four sides of the room. We recommend to use the spacers to fill out the contour of the wall.

11. Note that an expansion profile may be needed as per the specific characteristics of the product.

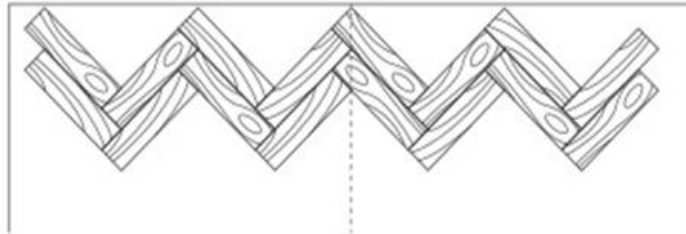


Figure 1

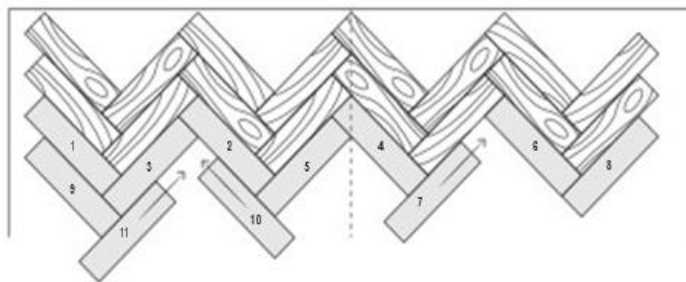
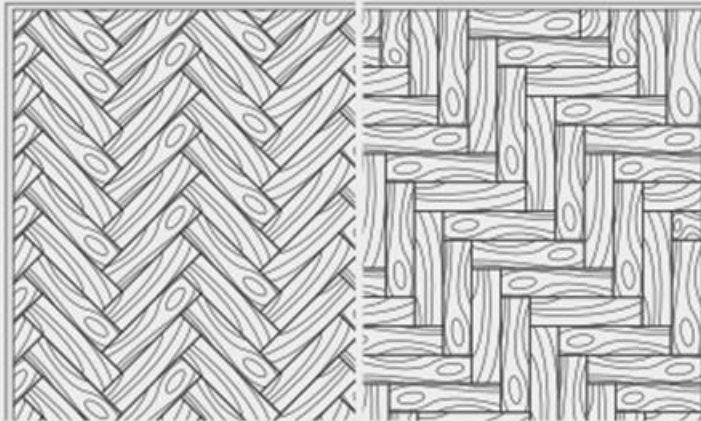


Figure 2

2 installation options



Single

Diagonal

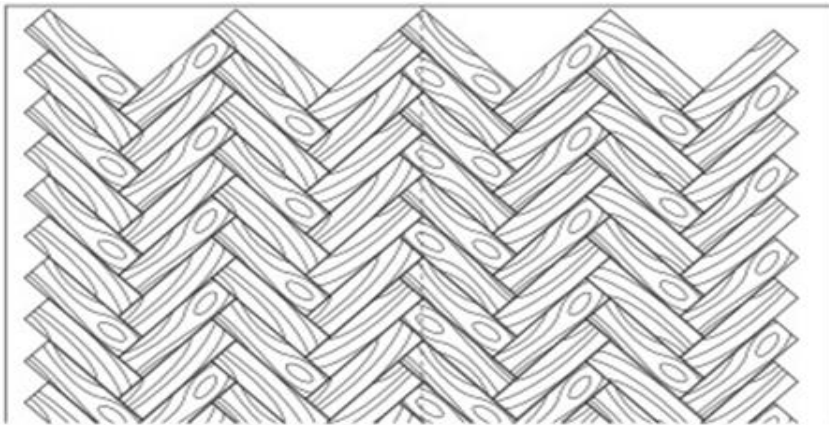


Figure 3

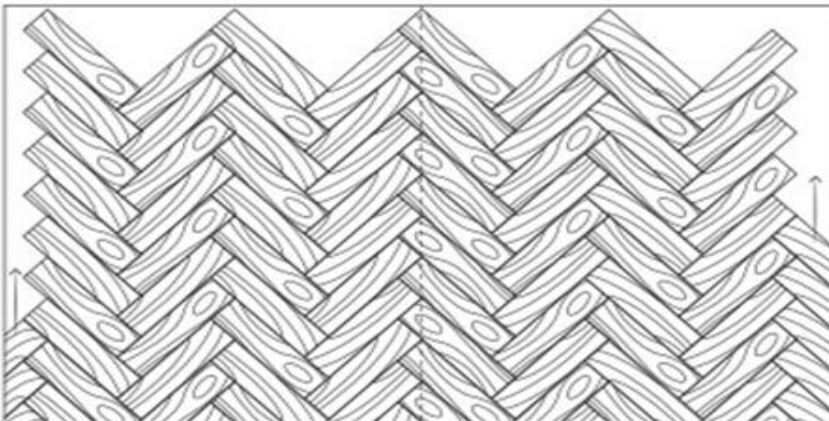


Figure 4

IMPORTANT: RETAIN SEVERAL LEFTOVER PLANKS FOR POSSIBLE FUTURE REPAIRS

Care of your floor

Room Conditions

Ornato Hybrid Herringbone floor likes pleasant room conditions like humans; a room temperature of 20°C and humidity of about 50%. A humidity controller may be required. All rooms, which have timber flooring, should ideally be maintained at the above.

Protecting your floor

To preserve quality and beauty of your floor we recommend you use protective pads and castor cups under chairs and furniture legs. If there is a door leading outside from the room where you have installed your hybrid flooring, use a doormat to catch the dirt and absorb the humidity.

Never use a rubber mat, with Styrofoam or plastic backing. If you must move heavy pieces of furniture (e.g. refrigerator, piano etc.), never slide them directly over the flooring. Instead, place a piece of carpet face down between the legs and the flooring and pull on the carpet to move the furniture.

In the event of a proven manufacturing defect, the companies or sellers total liability shall under no circumstances exceed the value of the defective product. The company or seller shall not in any way be responsible for any additional consequential costs or losses.

If you are unclear regarding any of the above instructions, contact your local supplier.