

INSTALLATION INSTRUCTIONS TORLYS EVEREST TWIST

DEAR CUSTOMER,

You have purchased a high quality **TORLYS Everest Twist** Floor, well suited for all residential rooms.* Please take a moment to review the installation instructions and plan your installation carefully.

***TORLYS Everest Twist is not suitable for use in damp areas such as full bathrooms or saunas.**

SET UP

To ensure you have sufficient material on hand, we recommend you use our online Pattern Calculator available at www.torlys.com, and add 5% of material to allow for incorrect cuts or repairs. Waste can vary greatly depending on room dimensions and layout; using the total area of the room and adding a percentage (e.g. 15%) is not as accurate as the calculator. Twenty-four hours prior to installation, place the closed packages in the middle of the room, NEVER against a wall or in a corner. Do not open the packages until you are ready to begin installation. Inspect each plank before installation. If you find any defects, do not use the plank. Contact your supplier immediately.

Please Note: The TORLYS Warranty does not cover labour for installation of planks with visible defects.

IMPORTANT: Hardwood is a natural material and therefore no two planks are alike... this adds to its beauty. **Some variation in grain, colour and shade, as well as knots and mineral streaks, should be expected.** Always work from several boxes at the same time and shuffle planks for the best appearance. Depending on the direction from which the floorboards are viewed, a visible difference may be observed between the left-hand and right-hand boards; this is an optical effect.

ATTN: INSTALLERS – CAUTION: Wood Dust

Sawing, sanding and machining wood products can produce wood dust. Airborne wood dust can cause respiratory, skin and eye irritation. The International Agency for Research on Cancer (IARC) has classified wood dust as a nasal carcinogen in humans.

Precautionary Measures: Power tools should be equipped with a dust collector. If high dust levels are encountered use an approved dust mask. Avoid dust contact with skin and eyes.

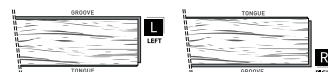
PREPARATION

Remove existing carpet, baseboards, quarter-rounds and thresholds and undercut door jambs, using a piece of flooring material as a guide. Repair all defects in the sub-floor. Additional expansion and contraction can be achieved by undercutting drywall.

CHECK THAT:

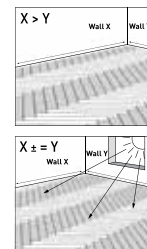
- The job-site has been cleaned and cleared of debris that could potentially damage the finish of your TORLYS floor.
- The doors can still open and close after installing the floor.
- Doors may have to be cut to supply sufficient clearance.
- The door jambs may need to be adapted to install the floor under them.

Note: There are left-hand and right-hand floorboards.



The direction of laying can be determined using the online Pattern Calculator. To ensure the best visual effect, we recommend that you lay the floor in the following direction:

1. The points of the herringbone pattern (the "column direction") should preferably run in the same direction as the longest wall.
2. If there is no wall that is obviously longer than the others, the points of the herringbone pattern should be aligned with the main entrance to the room.
3. If there are several entrances of equal importance, the points of the herringbone pattern should run towards the wall that lets in the greatest amount of light.



SUBFLOORS

Repair any defects in the subfloor. Installation over an uneven subfloor will cause premature damage to floor and make the floor feel unstable. All subfloors must be clean, firm, flat (within 3/16" – 4.8mm in 10ft – 3m), dry (on concrete not exceeding 6 lbs/24 hours/1,000 sq.ft. as per ASTM F1869*, or ≤ 75% RH as per ASTM F2170, on plywood 12% or less) and smooth. You can lay the planks over any solid and stable subfloor material that meets these requirements. It is essential that the crawl space under wood subfloors is sufficiently ventilated. Remove any obstacles and provide sufficient ventilation. A 6-mil/0.15mm poly vapour barrier must be installed on crawl space floor.

* Note: To employ F1869 the surface of the concrete must be porous, hard machine troweled concrete or concrete surfaces with extraneous substances on the surface such as residual adhesive, sealers, curing compounds, etc. must be mechanically removed prior to testing.

LAYOUT

The floor should be installed from several cartons at the same time, shuffling planks to ensure colour and shade mix. The ideal environment is a temperature of 60°F - 70°F (16°C - 21°C) and relative humidity of 40 - 60%.

IMPORTANT: Some species of wood are sensitive to light. It is natural for their colour to darken or soften over time.

A minimum of 1/2" (12mm) expansion wedges must be used at all walls and vertical obstructions to allow for proper expansion/contraction space. The wedges should be removed after the flooring installation has been completed, and the expansion/contraction space should be covered by baseboard, quarter round and/or drywall (if wall is undercut).

NOTE: Never hit the planks directly with your hammer or rubber mallet. Always use a **TORLYS Tapping Block or TORLYS Bulldog Tool**** to protect the edges of the planks. Make sure the Tapping Block is in good condition. Hold Tapping Block down when using it.

TOOLS

- Hammer (1 lb.)
- Tape Measure
- Pencil
- 3/8" (10mm) Wedges*
- Tapping Block*
- Last-Board Puller *
- Saw, utility knife



When sawing pieces off the planks, use a fine-toothed hand saw, jigsaw, chopsaw or guillotine.

*Note: available in a TORLYS Installation Kit

**OPTIONAL for ease of installation use TORLYS Bulldog.

FLOATING METHOD

Prepare the subfloor. **TORLYS Everest Twist** has a built-in cork backing and therefore no additional underlayment is required. When installing **TORLYS Everest Twist** first cover the sub-floor with 6-mil (0.15mm) poly vapour barrier, overlap edges by 12" (30cm), damp-proof tape the seams and run up 4" (10cm) on each wall. The use of 6mil poly directly under the flooring is recommended for all installations, and is mandatory for all installations over all cementitious sub-floors.

DO NOT USE GLUE

PREVENTATIVE MAINTENANCE

To ensure the full benefit of your **TORLYS Everest Twist** floor and to extend its beauty for years to come, we recommend the following preventative maintenance suggestions:

- **Install floor protectors** on furniture legs to protect against scratches and dents. These furniture pads should have no wrinkles and be made of soft, non-staining material (e.g. felt pads); the felt pads should be of adequate size to support the weight of the furniture and a minimum of 1" (2.5cm) in diameter. The floor protectors should sit flat on the floor and be inspected periodically for cleanliness and wear. For heavy pieces of furniture (e.g. couches) the use of coastercups is recommended. Chair mats for hard-surface floors are also recommended.
- **DO NOT DRAG FURNITURE** or other heavy objects on the floor. Avoid high heels or shoes that need repair. Some types of high heel shoes can severely damage the surface of any floor covering. For minor scratch repairs, a touch-up kit is available at your TORLYS Dealer.
- **Sweep and vacuum floor regularly.** Use TORLYS Maintenance Kit with dust mop.
- **Avoid sand and grit build up.**

At doorways and areas of heavy wear, use protective mats or rugs that are marked "non-staining". For dry maintenance, use a dust mop, vacuum cleaner or dry cloth. For damp maintenance, **use the TORLYS Natural Glow Maintenance Kit**, available from your Authorized Dealer, and follow the maintenance instructions on the container.

IMPORTANT: To keep your warranty valid, use TORLYS recommended maintenance products and follow TORLYS maintenance instructions. For more information on maintenance products and instructions go to: www.torlys.com.

Maintain the humidity level at 40-60%.

Certain regions within North America have extreme changes in humidity levels, which may affect all natural floors. To maintain humidity within a healthy range, a humidifier or dehumidifier may be required.

Gapping can occur in natural floors with seasonal fluctuations and when in extremely dry conditions (Low R.H.). Wood that is too dry may "crack" or "check", and gaps between planks may occur. Wood that is too damp will "cup" or "crown".

Never wet mop your TORLYS Everest Twist Floor. Never wax or use oil-based products on your TORLYS Everest Twist Floor.

INSTRUCTIONS

1) GENERAL

TORLYS Uniclic & Unifit X® is a revolutionary system for installing floating floors without glue. Instead, it uses an ingenious tongue and groove system to lock the planks together. **TORLYS Everest Twist** incorporates Unifit X® on the end joint to allow for drop down, angling or tapping installation. The length joint is the standard Uniclic joint and is compatible with Unifit X®.



IMPORTANT: Use a hammer and the special TORLYS Tapping Block. Never use any other tapping block, as it may damage the planks.

For a short edge, you can angle the plank into place, for example in the first row. Or you can drop down the joint to click it into place. Where you cannot angle or drop down the joint, you can engage it horizontally using a tapping block or Bulldog Tool. If tapping, use several small taps until the planks click together completely. For a long edge, angle-click the plank into place. If you cannot angle-click the planks (e.g. when installing final row), tap planks together gradually. Begin tapping lightly at the corner of a plank until the joint has clicked together. Repeat the process approximately every 12" (30cm) until the entire long edge of the plank has clicked in with the next plank. Use a **TORLYS "Last-Board Puller" or Bulldog** to pull exposed joints tight, where a tapping block and hammer will not fit.

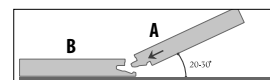
Never attempt to knock the joint into place with one hit.

For the best results, follow the installation instructions and use only:

- A) TORLYS INSTALLATION KIT** (Wedges, TORLYS tapping block and last-board puller)
- B) TORLYS MAINTENANCE PRODUCTS** (Dust Mop, TORLYS Natural Glow (pH Neutral) Cleaner)
- C) TORLYS BULLDOG TOOL**
- D) 6 MIL POLY VAPOUR BARRIER UNDER ALL FLOORS**

2) CORRECT INSTALLATION

Wood is the primary component of your **TORLYS Everest Twist** flooring. Since the humidity of a room can vary from one season to the next, the floor must be able to expand and contract in ALL directions. A minimum of 1/2" (12mm) expansion/contraction gap (or minimum thickness of floor) must be provided at all walls and vertical obstructions (e.g. around pipes and at thresholds). These gaps may be covered by a moulding that is not fixed to the hardwood floor, but to the wall.



Note: The easiest way to install the floor is by placing the tongue (A) into the groove (B).



TRANSITION MOLDINGS

Installation cannot exceed 30' (10 meters) in any direction without installing a Transition Moulding (e.g. T-Moulding). Transition Mouldings are also required in doorways.

Match Transition Mouldings (e.g. Reducers)

For the best appearance compare the transition mouldings and flooring before installation, identify the pieces that best match the mouldings for colour and grain, set them aside and then install them as needed. Note: If using stair nosing in conjunction with this flooring, do not commence installation before referring to the stair nosing instructions.

3) LAYING SINGLE HERRINGBONE

LAYING THE FIRST ROW

When laying the first row, make sure that the points and sides of the panels are perfectly aligned. Lay the first row in the centre of the room close to your starting wall, so that distances A and B are identical (**Figure I**). Leave an expansion gap of 1/2" (12mm) along every wall (**Figure II (i)**). Rotate the right-hand board 180°, mark, and neatly saw off at a 45° angle. Rotate the sawn-off piece 180° and click into the first floorboard (**Figure II (ii)**). Rotate the left-hand board 180°, mark, and neatly saw off at a 45° angle. Rotate the sawn-off piece 180° and click into the last floorboard (**Figure II (iii)**). Finish the first row up to the wall (**Figure II (iv)**).

FIGURE I

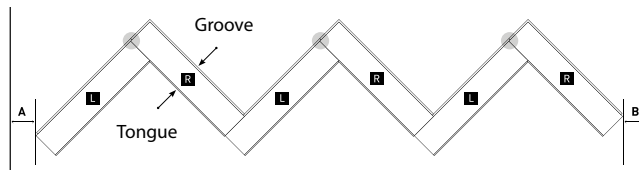
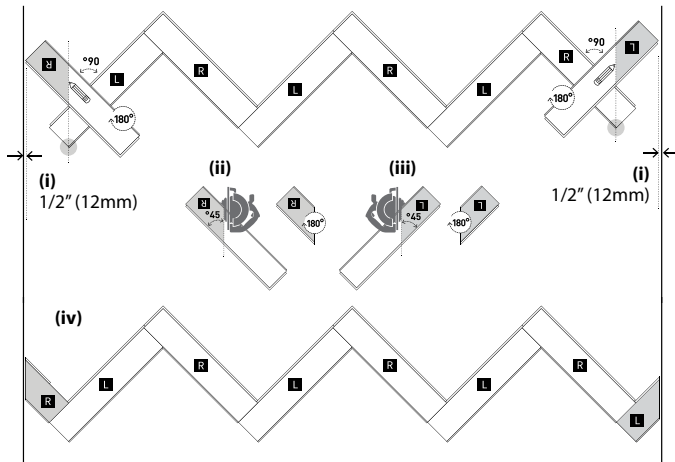


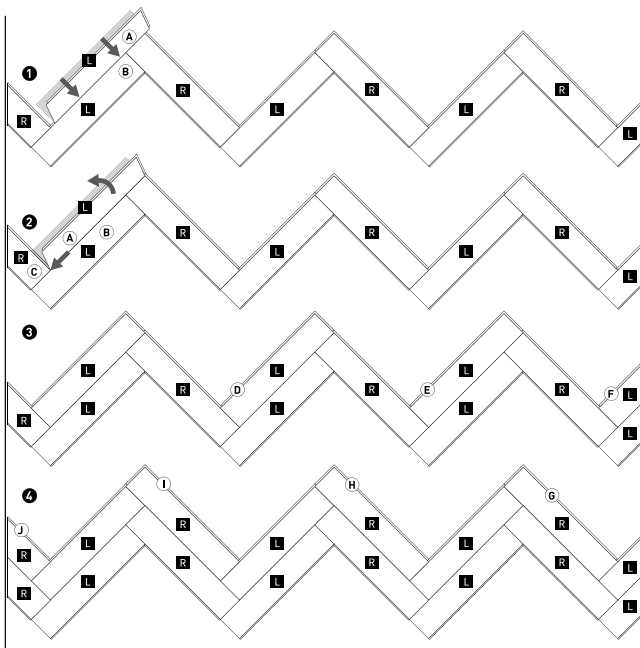
FIGURE II



LAYING THE SECOND ROW (SEE FIGURE III)

- ❶ Insert (at a shallow angle) the tongue on the long side of floorboard **A** (left-hand board) into the groove on the long side of floorboard **B**.
- ❷ Slide floorboard **A** right up against floorboard **C**, and push floorboard **A** down.
- ❸ Then lay all left-hand boards (**D, E, F**) in the same way.
- ❹ Now lay all right-hand boards (**G, H, I, J**)

FIGURE III



LAYING SUBSEQUENT ROWS

Continue to construct the floor row by row. Lay the left-hand boards first, and then the right-hand boards, on an alternating basis. Also finish the sides row by row. After laying a number of rows, saw off the points (**Figure IV**). Put the sawn-off pieces to one side, in order to re-use them on the other side of the room (**Figure V**).

FIGURE IV

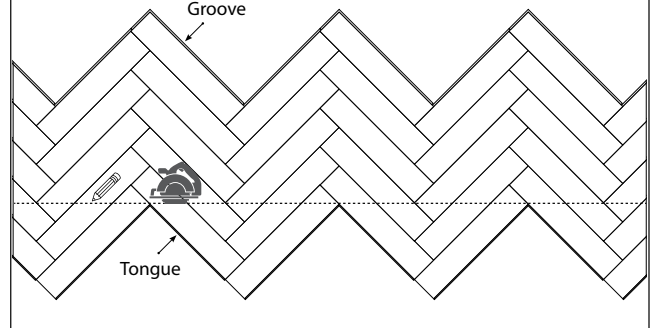
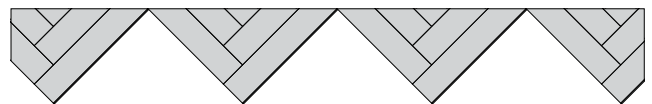


FIGURE V



Push the sawn-off floor to 1/2" (12 mm) from the wall (**Figure VI**). Place spacer blocks between the wall and the floor (**Figure VII**). Continue finishing the floor. At the end, finish the room with the pieces that were sawn off at the beginning (**Figure VIII**).

FIGURE VI

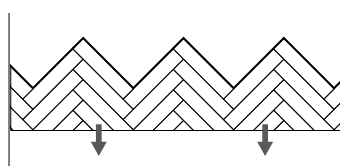


FIGURE VIII

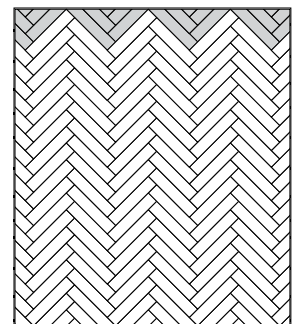


FIGURE VII



4) LAYING DOUBLE HERRINGBONE

LAYING THE FIRST ROW

When laying the first row, make sure that the points and sides of the panels are perfectly aligned. Lay the first row in the centre of the room close to your starting wall, so that distances A and B are identical (**Figure IX**). Leave an expansion gap of 1/2" (12mm) along every wall (**Figure X (v)**). Rotate the right-hand boards 180°, mark, and neatly saw off at a 45° angle. Rotate the sawn-off pieces 180° and click into the first floorboard (**Figure X (vi)**). Rotate the left-hand boards 180°, mark, and neatly saw off at a 45° angle. Rotate the sawn-off pieces 180° and click into the last floorboard (**Figure X (vii)**). Finish the first row up to the wall (**Figure X (viii)**).

FIGURE IX

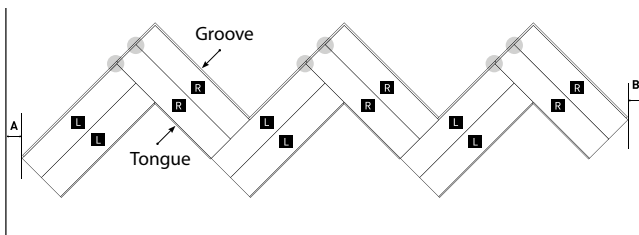
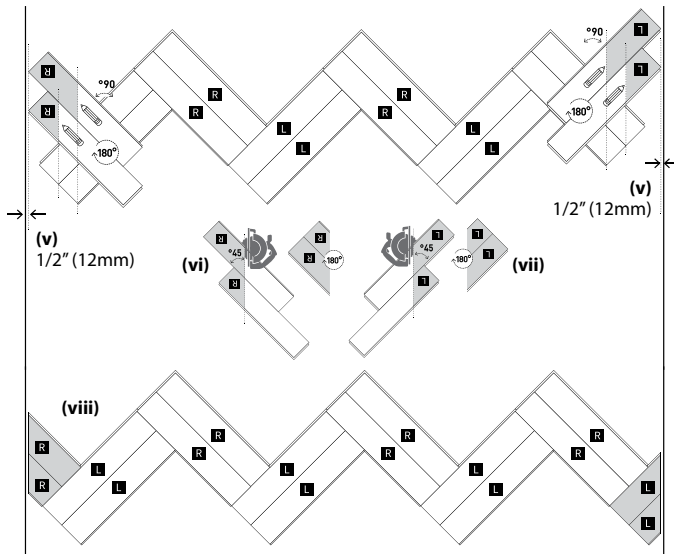


FIGURE X



LAYING SUBSEQUENT ROWS

Further finishing is identical to the laying pattern for single herringbone, but with two floorboards.

5) UNDER DOOR FRAMES

Saw the planks so that after installation there is a minimum 1/2" (12mm) expansion/contraction gap. This expansion/contraction gap can be covered by undercutting the door jamb. If you cannot rotate this plank, use the TORLYS Tapping Block and hammer to tap the planks together.

TORLYS has designed a special tool for this type of installation: the TORLYS Bulldog.

6) COMPLETING THE INSTALLATION

After installing your floor, you can immediately walk on it and begin the final touches. This is one of the major benefits of the glueless system. Remove all spacer blocks and install baseboards and/or quarter-rounds. Never attach the baseboard to the floor itself. You need to allow the floor to expand and contract underneath the baseboard. If a vapour barrier has been used, attach the baseboard over the plastic membrane, using finishing nails. Finish around pipes with rosettes or silicone seal.

Where no mouldings or baseboards can be installed, or where undercutting is not an option, fill the expansion/contraction gap with flexible silicone or similar caulking.

7) RADIANT HEAT APPLICATION

TORLYS Everest Twist is guaranteed for installation over radiant-heated sub-floors. For details and limitations, please check the "TORLYS Flooring Warranty and Instructions for installation over radiant-heated sub-floors". Visit our website at: www.torlys.com, for detailed information.

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