

TORLYS EVEREST XP TWIST

DEAR CUSTOMER,

You have purchased a high quality **TORLYS Everest XP Twist** hardwood floor, well suited for all residential rooms, including bathrooms*. Please take a moment to review the installation instructions and plan your installation carefully. Please note that **IMPROPER INSTALLATION CAN VOID WARRANTIES**. Installation of 100 square feet (9 m²) of flooring is enough to verify quality and acceptance.

* **TORLYS Everest XP Twist** flooring is not suitable for use in SAUNAS or other abnormal use or conditions including, but not limited to, water damage from plumbing, storms, floods and excessive water saturation on the surface or trapped between subfloor and floor.

If encountering difficulty during installation, STOP and contact TORLYS Customer Service at: 1-(800) 461-2573 and ask for the Technical Department.

Closed-in porches, solariums, screened in gazebos - ALL of these can experience rapid and unbalanced changes in the interior environment that cannot be properly controlled. Installation under these conditions is NOT recommended.

IMPORTANT: Before starting the installation, please read carefully this entire document, **paying special attention to (section 6) Completing the Installation.**

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. Forty-eight hours prior to installation, place the closed packages in the middle of the properly conditioned room (see **Layout** section), **NEVER** against a wall or in a corner, nor near hot or cold air-vents or in direct sunlight. 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.

PREPARATION

Remove existing carpet, baseboards, quarter-rounds and

thresholds. Undercut door jambs using a piece of flooring material (plus any underlay, if necessary) as a guide. Repair all defects in the subfloor. Additional expansion and contraction space can be achieved by undercutting drywall.

CHECK THAT:

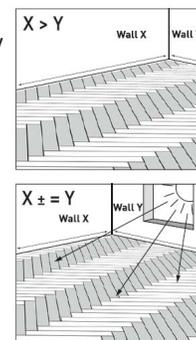
- The job-site has been cleaned and cleared of debris that could potentially damage the finish of your TORLYS floor.
- The doors can still open and close after installing the floor.
- Doors may have to be cut to supply sufficient clearance.
- The door jambs may need to be adapted to install the floor 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" – 4.8 mm in 10 ft – 3 m), smooth and dry. The moisture on concrete slabs must be equal or less than 75% RH with an *in-situ* probe as per ASTM F2170, 12% or less on plywood. You can lay the planks over a solid and stable subfloor material that meets these requirements. It is essential that the crawl space under subfloors is sufficiently ventilated. Remove any obstacles and provide sufficient ventilation. A 6 mil (0.15 mm) poly vapour barrier must be installed on crawl space floor.*

* *In construction terminology, a crawl space is defined as : "a shallow space below the living quarters of a house, normally enclosed by the foundation wall..."*

LAYOUT

The floor should be installed from several cartons at the same time to ensure colour and shade mix. If possible, lay the planks parallel to window light. **The ideal environment is a**

temperature of 60 °F – 70 °F (16 °C – 21 °C) and relative humidity of 40 – 60%. All mouldings, door frames, etc., should be undercut to allow an expansion and contraction space around the entire perimeter of the floor. Be sure to leave the minimum 1/2" (13 mm) expansion and contraction space on all sides of the floor, around pipes, thresholds, under doors and around any fixed objects (floor vents, kitchen cabinets/islands, etc.). Kitchen cabinets/islands should not sit on the flooring as this will prevent natural expansion and contraction due to climate fluctuations. Any wedges should be removed after the flooring installation has been completed, and the expansion/contraction space should be covered by baseboard, quarter round/shoe mould, 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
- Saw, utility knife
- Tapping Block*
- Last-Board Puller*
- 3/8" (10 mm) Wedges*
- Mask (3M™ Tekk Protection™ Sanding and Fibreglass Disposable Respirator, 8200HB5-A), or equivalent.



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

**Note: available in a TORLYS Installation Kit*

***OPTIONAL: for ease of installation and repairs use TORLYS Bulldog™ tool.*

FLOATING METHOD

Prepare the subfloor. **TORLYS Everest XP Twist** has a built-in cork backing and therefore no additional underlayment is required. When installing **TORLYS Everest XP Twist** over cementitious subfloors, first cover the subfloor with 6 mil (0.15 mm) poly vapour barrier, overlap edges by 12" (30 cm), dampproof tape the seams and run up 4" (10 cm) 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 subfloors.

DO NOT USE GLUE.

PREVENTATIVE MAINTENANCE

To ensure the full benefit of your **TORLYS Everest XP 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" (2.5 cm) 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 coaster-cups 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.
- **Close your curtains or blinds** where continuous or extreme sunlight will shine on your floor. Also UV protection in windows will help with the performance of your furnishings. A combination of heat and sunlight can cause most furnishings and flooring to fade or change colour.
- **Sweep and vacuum floor regularly.** Use correct hard surface vacuum tools. **DO NOT** use rotating beater bars, floor scrubbers, steamers, jet mops, buffers or similar products.
- **Wipe up spills immediately.** **DO NOT** allow topical moisture to remain on the floor longer than the time specified in the product warranty.
- **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 EcoCare Cleaning Kit, available from your Authorized Dealer, and follow the maintenance instructions on the container.

Never wax or use oil-based products on your **TORLYS Everest XP Twist** floor. **Basic cleaning is with a damp cloth.**

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

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 "split" or "check", and can also lead to a noisy floor. Wood that is too damp will "cup" or "crown".

INSTRUCTIONS

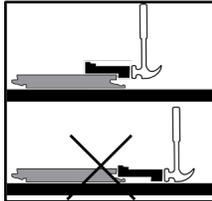
1) GENERAL

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 XP 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 or TORLYS Bulldog™ tool. 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” (30 cm) until the entire long edge of the plank has clicked in with the next plank.



Use a **TORLYS “Last-Board Puller” or Bulldog™ tool** 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.

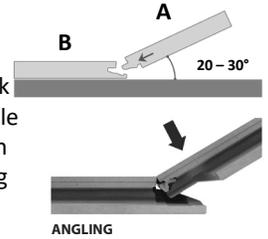
For the best results, follow the installation instructions and use only:

- A) **TORLYS INSTALLATION KIT**
(Wedges, TORLYS tapping block and last-board puller)
- B) **TORLYS MAINTENANCE PRODUCTS**
[TORLYS EcoCare (pH Neutral) Cleaner]
- C) **TORLYS BULLDOG™ TOOL**
- D) **6 MIL (0.15 MM) POLY VAPOUR BARRIER UNDER ALL FLOORS**

2) CORRECT INSTALLATION

Wood is the primary component of your **TORLYS Everest XP Twist** floor. 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” (13 mm) expansion/contraction space** 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). Lift plank being installed to 20 - 30 degree angle and keep tongue of the plank in the groove of installed plank. With gentle pressure and a gentle rocking motion push the plank down. If necessary, finish locking the plank with a tap into place using a tapping block or Bulldog tool.



TRANSITION MOULDINGS

Installation cannot exceed 50’ (15 m) in any direction without installing a transition moulding (e.g. T-Moulding). Transition mouldings are also required in doorways less than 32” (81 cm).

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. For details go to www.torlys.com.

3) LAYING SINGLE HERRINGBONE

– LAYING THE FIRST ROW

When laying the first row, make sure that the points and sides of the planks 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 1**).

Leave an expansion gap of 1/2” (13 mm) along every wall [**Figure 2 (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 2 (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 2 (iii)**]. Finish the first row up to the wall [**Figure 2 (iv)**].

LAYING THE SECOND ROW (See Figure 3)

1. 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**.
2. Slide floorboard **A** right up against floorboard **C**, and push floorboard **A** down.
3. Then lay all left-hand boards (**D, E, F**) in the same way.
4. Now lay all right-hand boards (**G, H, I, J**)

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 4**). Put the sawn-off pieces to one side, in order to re-use them on the other side of the room (**Figure 5**).

Push the sawn-off floor to 1/2" (13 mm) from the wall (**Figure 6**).

Place spacer blocks between the wall and the floor (**Figure 7**). Continue finishing the floor. At the end, finish the room with the pieces that were sawn off at the beginning (**Figure 8**).

4) LAYING DOUBLE HERRINGBONE – LAYING THE FIRST ROW

When laying the first row, make sure that the points and sides of the planks 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 9**).

Leave an expansion gap of 1/2" (13 mm) along every wall [**Figure 10 (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 10 (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 10 (vii)**]. Finish the first row up to the wall [**Figure 10 (viii)**].

LAYING SUBSEQUENT ROWS

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

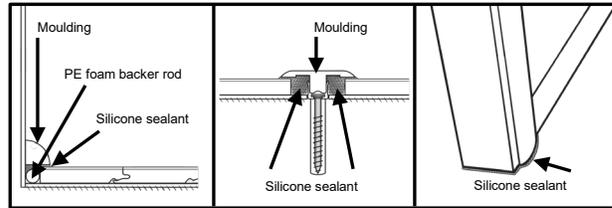
5) UNDER DOOR FRAMES

Saw the planks so that after installation there is a minimum 1/2" (13 mm) expansion/contraction space. This expansion/contraction space 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™ tool.

6) COMPLETING THE INSTALLATION – WATERPROOF*

After installing your floor, you can immediately walk on it and begin the final touches. This is one of the major benefits of the glue-less system. Remove any spacer wedges and, to create a waterproof seal around the entire perimeter, first fill all expansion spaces with compressible 1/2" (12 mm) PE foam backer rod (type Climashield or Climaloc); next, create a watertight seal by applying waterproof, flexible, 100% silicone sealant on top of the foam backer rod, covering at least 1/8" (3 mm) of the floor and 1" (2.5 cm) running up the wall (which will then be covered by baseboard, and quarter-round/ shoe mould, if required) or the door stop. Prior to installing the mouldings, first fasten the track to the subfloor, then apply the flexible silicone sealant along the portion of the moulding that will contact directly with the hardwood flooring surface. Install mouldings and immediately wipe away any

excess silicone sealant. Apply flexible silicone sealant to door frames and trims or any other fixed objects. Please see drawings below.



*For **non-waterproof** installations, PE foam backer rod and silicone sealant are not required.

IN BATHROOMS: the use of a flexible silicone to seal the expansion and contraction space is mandatory in all bathroom installations.

7) RADIANT HEAT APPLICATION

TORLYS Everest XP Twist is guaranteed for installation over radiant-heated subfloors. For details and limitations, please check the "*TORLYS Flooring Warranty and Instructions for installation over radiant-heated subfloors*".

Visit our website at: www.torlys.com for detailed information.

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.

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www.torlys.com

FIGURE 1

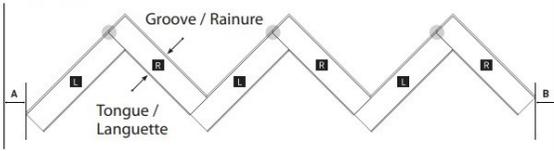


FIGURE 2

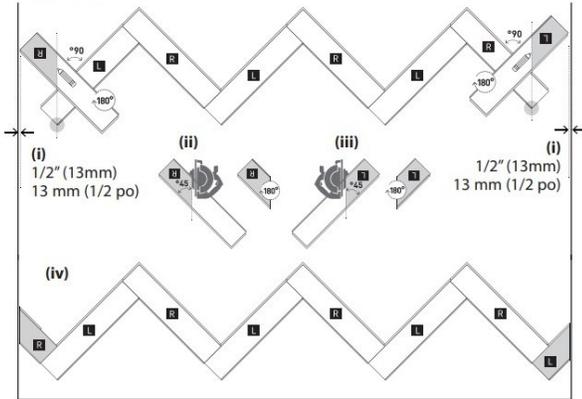


FIGURE 3

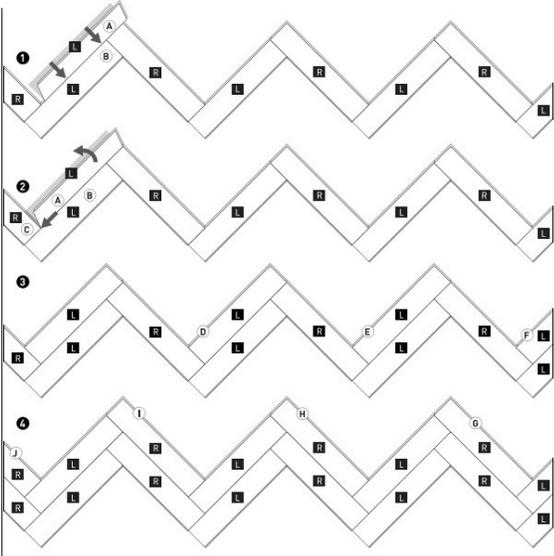


FIGURE 4

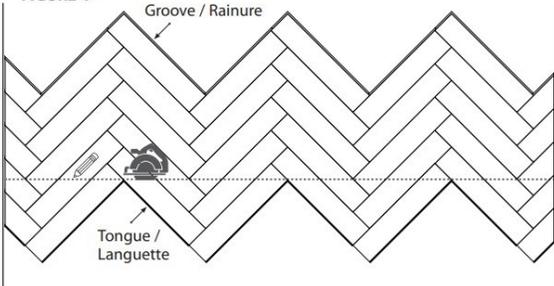


FIGURE 5

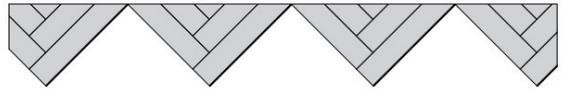


FIGURE 6

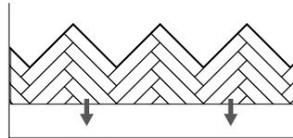


FIGURE 8

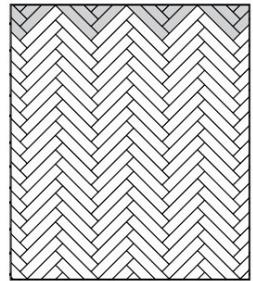


FIGURE 7



FIGURE 9

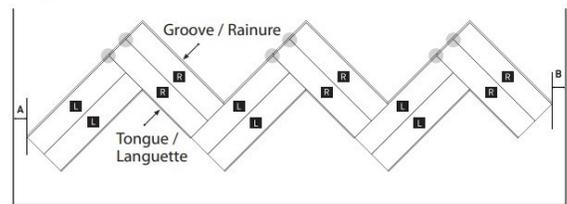


FIGURE 10

