

TORLYS UltraWood Premier & Elite

DEAR CUSTOMER,

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

IMPORTANT * In bathroom installations, the expansion space must be filled with flexible silicone sealant.

Please note that **IMPROPER INSTALLATION MAY VOID WARRANTIES.**

Installation of 100 square feet (9 m²) of flooring is enough to verify quality and acceptance.

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

TORLYS UltraWood can be installed in 3-season homes (from -22°F to 122°F / -30°C to 50°C). Thermal shock - very rapid and extreme changes in temperature - may cause damage to the floor. The use of a continuous vapour barrier and proper insulation is mandatory in the crawl space.

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 warranted.

SET UP

To ensure you have sufficient material on hand, calculate the total area of the room and add 5% of material to allow for custom cutting. Forty-eight hours prior to installation, place the closed packages in the middle of the room, **NEVER** against a wall or in a corner.

Do not install TORLYS UltraWood until it is acclimatized to the required room temperature of 60°F - 70°F (16°C - 21°C).

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.

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 subfloor. Additional expansion and contraction can be achieved by undercutting drywall.

CHECK THAT:

- The jobsite 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.
- For aesthetic appearance we suggest that you measure the width of the room to ensure that the width of the pieces of the first and last row is approximately the same and not less than 2" (5cm). Cut the width of the pieces of the first and last row as needed.

SUBFLOORS

Repair any defects in the subfloor. Subfloor irregularities should be repaired using a cement-based polymer-modified floor leveling compound. Installation over an uneven subfloor will cause premature damage to the floor and make the floor feel unstable. All subfloors must be clean, firm, flat (within 3/16" – 4.8mm in 10ft – 3m or 1/8" – 3.2mm in 6ft – 1.8m), smooth and dry.

The moisture on concrete slabs and lightweight aggregate concretes must be equal to or less than 80% Relative Humidity with an in-situ probe as per ASTM F2170, 12% or less on plywood. The pH on concrete slabs and lightweight aggregate should be between 7 and 9. If the concrete slab or lightweight aggregate is not tested or does not meet the stated requirements for moisture and/or pH, a 6 mil (0.15mm) poly vapour barrier must be installed over the substrate before installing your **TORLYS UltraWood flooring**.

IMPORTANT: lightweight aggregate concrete must have a dry density of greater than 90 lbs/ft³ (1442 kg/m³) to ensure adequate rigidity to support the locking system and maximize performance.

IMPORTANT:
Subfloors must meet or exceed requirements of local building codes.

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 (0.15mm) 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, shuffling planks to ensure colour and shade mix. If possible, lay the planks parallel to the source of light. The ideal environment is a temperature of 60°F - 70°F (16°C - 21°C).

The floor will be stronger and more stable if the joints are staggered at least 12" (30cm) in each row. Staggered or irregular joints result in less waste and enhance the overall appearance of the floor. Do not stair step the flooring across the room. 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. Gently tap all planks into their final locking position.

TOOLS

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



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

**Note : available in a TORLYS Installation Kit*

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

NOTE: even when using care to disengage planks using the **TORLYS Bulldog™ Tool**, some minor joint damage may occur. This can be repaired by using a water-based sheet vinyl seam sealer.

FLOATING METHOD

Prepare the subfloor.

TORLYS UltraWood has an attached IXPE foam underlay and therefore no additional underlayment is required.

If an additional underlayment is necessary for site-related reasons, an underlayment of 3/32" (2.5mm) maximum thickness with a high density, >11.2 lbs / ft3 (>180 kg / m3), and a high compressive strength, such as **TORLYS Cork Natural**, will support the locking system for regular traffic. Installing your **TORLYS UltraWood flooring** over an underlayment with a low density and/or inadequate compressive strength could result in damage to the locking system.

IMPORTANT: Polyethylene foam underlayments do not meet the required density and compressive strength and should not be used in any circumstance.

The use of 6mil (0.15mm) poly directly under the flooring is recommended for all installations; in case a repair is needed, the poly will make it easier to disassemble the floor with the TORLYS Bulldog™ Tool.

Do not glue planks together.

PREVENTATIVE MAINTENANCE

To ensure the full benefit of your **TORLYS UltraWood** 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 coaster-cups is recommended.
Protective mats under chairs with castors are mandatory.
- **Use care when moving furniture, appliances, or other heavy objects across the floor.** Even when moving objects equipped with wheels or roller, or

when using an appliance dolly, 1/8" hardboard runways should be used to protect your floor.

- **Avoid high heels or shoes that need repair.** Some types of high heel shoes can severely damage the surface of any floor covering.
- **Close your curtains or blinds** where continuous or extreme sunlight will shine on your floor. Prolonged exposure to excessive temperature and direct sunlight can cause planks to expand, separate or change colour. TORLYS recommends using UV protective film, blinds or curtains in all windows that provide direct sunlight to the flooring to ensure that the products are not overheated. Luxury vinyl floor coverings exposed to excessive heat are subject to thermal expansion which may lead to buckling or peaking. Avoid hot-spots or isolated areas of prolonged exposure to direct sunlight through unprotected glass (unless the glass has a very effective built-in heatshield), in front of a wood burner, other direct heat sources.
- **Sweep and vacuum floor regularly.** Use correct hard surface vacuum tools. DO NOT use rotating beater bars, floor scrubbers, buffers, spray mops, or similar products.
- **Wipe up spills promptly.**
- **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 a no-rinse, pH-neutral floor cleaner such as Finitec (<http://www.finitec.ca>), or Bona (<http://www.bona.com>), and follow the maintenance instructions on the container.

TORLYS carries a universal touch-up kit for minor repairs. For damages that require plank replacement, we carry the TORLYS Bulldog™ Tool. Both items are available for purchase from your local TORLYS dealer.

Never wax or use oil-based products on your **TORLYS UltraWood**.

Basic cleaning is with a damp cloth. Excess water can cause a slip and fall hazard.

TORLYS UltraWood can be cleaned with a residential steam mop set at the lowest power with a suitable soft pad. Damage can occur if used improperly, set too high or held in one spot for an extended period.

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.

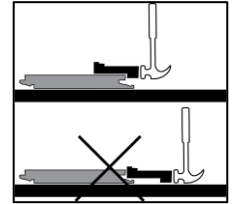
INSTRUCTIONS

1) GENERAL

TORLYS UltraWood has a Uniclic® system for installing floating floors without using glue. Instead, it uses a patented tongue and groove system to "lock" the planks together.

IMPORTANT:

When required, use a hammer and the special TORLYS Tapping Block positioned as shown in diagram (right) or TORLYS Bulldog™ tool. Never use any other tapping block, as it may damage the planks.



Use a **TORLYS "Last-Board Puller"** to pull exposed joints tight, where a tapping block and hammer will not fit. For a short edge, use several small taps until the planks click together completely.

For a long edge, and 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.

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)

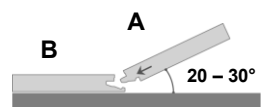
B) TORLYS BULLDOG™ TOOL

2) CORRECT INSTALLATION

A minimum of 1/2" (12mm) expansion/contraction space must be provided at all walls and vertical obstructions (e.g., around pipes and at thresholds). These spaces may be covered by a moulding that is not fixed to the **TORLYS UltraWood**, but to the wall.

Begin installing the floor from the left corner of the room.

Always remember that the easiest way to install the floor is by placing the tongue (A) into the groove (B).



Lift the plank being installed to 20-30-degree angle and keep the tongue of the plank in the groove of the 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 the TORLYS Bulldog™ Tool.

TRANSITION MOULDINGS

TORLYS UltraWood installation can not exceed 80' (24 meters) in any direction, without a mandatory expansion break.

Expansion/contraction breaks can be covered with a transition moulding. Where a transition moulding is not practical, a small bead of flexible silicone can be used to fill the space.

Match Transition Mouldings (e.g., Reducers)

For the best appearance compare the transition mouldings and flooring before installation, identify the planks that best match the mouldings for colour and grain, set them aside and then install them as needed.

Note: If using flush-mount 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) THE FIRST ROWS

Saw off the tongue of the first plank, both on the short as well as the long edge. For all other first-row planks cut off the tongue on the long edge (**Photo I**).

Orient the first plank in the left corner of the room. Maintain a minimum spacing from the wall and all vertical obstructions, of 1/2" (12mm), using wedges. Lay the planks with the groove side facing you (**I**) to use the tongue/groove system. Lay the first row along the wall.



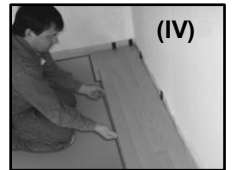
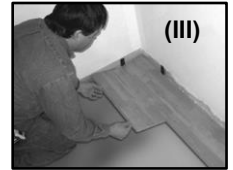
IMPORTANT

Turn the plank inclined with the end joint into the already laid plank. Click the two together. Ensure that the planks of the first row are straight (**II**).



The cut piece from the first row becomes the starting piece for another row. Install the cut edge facing the wall, with the expansion wedge in place. Now angle this piece and click it into the first plank of the first row.

The cut pieces should be a minimum of 8" (20cm) in length (**III**). Continue the second row with a full piece, placing the tongue of the long side into the groove of the first-row piece (**IV**). Move the end joints together until they are approximately 1/4" (6mm) apart. Click the plank lengthwise into place.



For the short and long edge, if necessary, use the tapping block and a few smaller taps until the planks lock into place completely.

Do not attempt to knock the joint into place with one hit. Continue this method for each plank, covering the entire width of the room.

Another method of installation is the Angle/Angle Method, which will reduce the amount of tapping on the planks.

PLEASE NOTE that the stagger between the head joints should be minimum 12" (30cm). Cut the last planks of each row leaving a minimum 1/2" (12mm) gap to the wall.

4) THE FINAL ROW

Measure and cut the planks of the final row so that there is a minimum 1/2" (12mm) expansion/contraction space between the final row and the wall. These planks will be angled and tapped into the last row using the Last-Board Puller or TORLYS Bulldog™ Tool. Knock the short edges together using the TORLYS Tapping Block.

5) UNDER DOOR FRAMES

Saw the planks so that after installation there is a minimum 1/2" (12mm) 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

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 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. Finish around pipes with pipe collars, or flexible silicone. Where no mouldings or baseboards can be installed, or where

undercutting is not an option, fill the expansion/contraction space with flexible silicone.

7) RADIANT HEAT APPLICATION

TORLYS UltraWood Flooring 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.

8) FLOOD WARRANTY

TORLYS UltraWood Flooring is covered by a Flood Warranty. For detailed installation instructions and limitations, please check the *“TORLYS Flood Warranty and Installation Instructions”*.

Visit our website at: www.torlys.com, for detailed information on our Flood Warranty.

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