

TORLYS Everest XP Twist

PART 1 – MATERIALS

1.1 Pre-finished hardwood flooring, consisting of a

- Top veneer of 0.6 mm-thick sliced natural wood
- High-Density Fibreboard (HDF) core
- Backing composed of a 0.4 mm wood veneer and a 2 mm agglomerated cork layer with Microban® treatment

1.2 TORLYS Everest XP Twist flooring shall be:

- **Right and Left boards** (to allow for a Herringbone installation)
- **Size:** 12 mm (T) x 121 mm (W) x 593mm (L)
- **Type of Finishing:** Scratch-resistant Urethane
- **Edge Type:** Bevel 4-sides
- **Type of Decorative Top Layer:** 0.6mm Sliced Natural Wood Veneer
- **Type of Core:** High Density Fibreboard (HDF)
- **Type of Backing:** Natural Wood Veneer + Blue CorkPlus agglomerated cork with Microban® treatment
- **Assembly System:** Uniclic® and Unifit-X® (end joints), Glueless
- **Colours:** As selected by the Architect
- **Type of Installation:** Floating (with poly underlay vapour barrier) or glue down if trying to reduce noise transfer from an upper level.



1.3 Accessories:

- **TORLYS Smart Trim** - Digital printed trim, 1930mm Long. Used as a transition between rooms / at doorways.
- **Smart-step** square nose stair moulding
- **Colours:** As selected by the architect

1.4 Better Performance

- TORLYS Maxx Commercial Finish offers extreme stain and wear resistance with antimicrobial surface
- Extreme durability, will never need to be refinished
- CorkPlus™ Blue attached underlay with Microban® antimicrobial product protection
- Low swell TORLYS Smart Core with extreme dent resistance and dimensional stability
- Suitable for use over underfloor heating

1.5 100% Water-Resistant Surface Technology – 10-year water surface warranty*

- **Water-resistant Surface*** thanks to a combination of the Uniclic® joint and Aqua Protect edge coating.
- **Aqua Protect** water-repellent edge coating keeps water from penetrating the floor's core

*Fully water-resistant surface when installed with a perimeter seal. Visit torlys.co.nz for details



1.6 More Sustainable

- Plastic Free - 100% natural product
- Being a natural product, we recommend sun filters on windows to reduce fading
- Eco Engineered with up to 25 more floors made per tree vs. a solid hardwood floor
- TORLYS Bulldog™ enables single planks of Everest XP to be replaced, quickly and easily. No mess, no dust, no downtime

PART 2 – PACKAGING INFORMATION

- **Pieces per carton:** 9 pieces
- **Square metres:** 0.646 m²
- **Weight per Carton:** 5.62 kg

PART 3 – EXECUTION

3.1 Site Verification of Conditions and Preparation:

- Repair any defects in the subfloor. All subfloors must be clean, firm, flat as per NZ Building Code (within 4.8mm in 3m), dry (on concrete ≤ 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 0.15mm poly vapour barrier must be installed on crawlspace floor
- Remove existing carpet, skirting boards, trims etc and thresholds and undercut door jambs, using a piece of flooring and underlay material as a guide. Repair all defects in the sub-floor.
- Additional expansion can be achieved by undercutting drywall
- Check that 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 dry-lay the material across the width of the room to ensure that the pieces of the last row are no less than 5cm wide
- The floor should be installed from several cartons at the same time, shuffling planks to insure colour and shade mix. If possible, lay the planks parallel to the source of light. The ideal environment is a temperature of 16°C - 21°C and relative humidity of 40 - 60%

3.2 Installation

- Prepare the subfloor. TORLYS Everest XP Twist has a built-in cork backing and therefore only Torlys Polythene Underlay is required. When installing TORLYS Everest XP Twist first cover the sub-floor with 0.15mm poly, overlap edges by 30cm, damp-proof tape the seams and run up 10cm on each wall. The use of 0.15mm poly is recommended for all installations (over wood or concrete sub-floors), as in case a repair is needed, the poly will make it easier to disassemble the floor. The use of a 0.15mm poly vapour barrier is mandatory for all installations over cementitious sub-floors
- Wood is the primary component of your TORLYS Everest XP 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 **13mm** expansion gap must be provided at all walls and vertical obstructions (around pipes etc) to allow for proper expansion/contraction space, under the skirtings. The gib may need to be undercut to get this expansion gap, if skirting is not thick enough. Install the planks in the same direction as the longest wall, or the same direction in which the light falls, for a more appealing look. Begin installing the floor from the left corner of the room
- Detailed installation instructions are included on the packaging and can also be downloaded at www.torlys.co.nz

3.3 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 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. For damages that require plank replacement, the TORLYS Bulldog™ tool, is also available through your 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 Authorised Dealer, and follow the maintenance instructions on the container
- Never wax or use oil-based products on your **TORLYS Everest XP Designer Plus** floor
- **Basic cleaning is with a clean damp cloth** (*cloth must not have been used with chemicals previously*)

IMPORTANT: Some species of timber 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.co.nz

Maintain the humidity level at 40 – 60%. Certain regions within New Zealand 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.)

3.4 Cleaning

- Dust mop or vacuum with bristles down, regularly to remove loose soil. Clean as required with the TORLYS Cleaning Kit
- Torlys Cleaner must be used to maintain warranty.
- Detailed maintenance information can be accessed at www.torlys.co.nz

ASTM and ANSI Product Performance Tests

Standard	Description	Test Result	Notes
ASTM E648	Critical Radiant Flux	Average Critical Radiant Flux: 0.28 W/cm ²	(NFPA 101 Classification: Class 2)
ASTM E662	Optical Density of Smoke	Pass ≤450	
ASTM E84	Surface Burning	Flame Spread Index: 60 Smoked-Developed Index: 155	(ASTM E84 Class B)
AATCC 30-III (TM 30-III Aspergillus Niger)**	Antifungal Assessment and Mildew Resistance Test	Pass = Not supportive of fungal growth	
ANSI A137.1-2012 (aka DCOF AcuTest)***	Coefficient of Friction (Floor Slip Resistance)	Average DCOF (wet): 0.60	
ASTM F970	Static Load Limit / Residual Indentation @ 250 PSI Static Load Limit / Residual Indentation @ 1000 PSI	0.000 inch 0.005 inch	
ASTM D2394	Falling Ball Indentation Test @ 72 Inches Drop	0.008 inch = no Fracture of surface or interior material	
ASTM F1914 / ASTM F3261	Short Term Indentation and Residual Indentation	Residual Indentation @ 75 lbs: 0.000 inch No puncture through wear layer / décor into core	
ASTM D1037	Janka Hardness Modified	1,408 lbf	
ASTM C518	Thermal Resistance - Imperial Units Thermal Resistance - SI Units	0.680 °F·ft ² h/BTU 0.01198 (m ² K)/W	
ASTM F925	Resistance to Chemicals	0 = No Change	
ASTM F1515	Resistance to Light	E ≤ 8	(Test result after 300 hours exposure)
ASTM E492-09 (2016)e1 / ASTM E989 - 18	Impact Insulation Class	IIC 74	
ASTM E90-09 (2016) / ASTM E413 - 10	Sound Transmission Coefficient	STC 64	
EN 14534	Resistance to Abrasion	> 6,000 revolutions	

**Note: Relates to testing performed on the TORLYS CorkPlus™ Blue with Microban® agglomerated cork used as backing in the Everest XP products
***Note: Replaces ASTM C1028-07, withdrawn by ASTM in 2014

100% Water Resistant Surface Technology



100% Water Resistant Surface* thanks to a combination of the Uniclic® joint and Aqua Protect edge coating.



Aqua Protect water-repellent edge coating keeps water from penetrating the floor's core.

**Fully 100% water-resistant surface when installed with a perimeter seal. Visit torlys.co.nz for details.*

A Cleaner Floor Starts Here.

Contribute to a cleaner home with built-in antimicrobial protection.

TORLYS Maxx Commercial Finish with built-in antimicrobial protection will keep your floors 99% cleaner between cleanings, 24/7.

For more information, visit torlys.co.nz



Warranty

25-Year Residential Limited Warranty*

15-Year Commercial Limited Warranty*

**Visit torlys.co.nz/warranty for details.*



Smarter Design

1. TORLYS Maxx Commercial Finish (Antimicrobial | Anti-Wear)
2. Real Wood Veneer 0.6mm
3. Real Wood Low Swell TORLYS™ Smart Core with Unifit® X joint*
4. Wood Balance Layer
5. TORLYS CorkPlus™ Blue Underlayment with Microban®

End joints are Unifit® X. Long side joints are Uniclic®

MADE IN BELGIUM

torlys.co.nz
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TORLYS
smart floors

Visit our website <https://torlys.co.nz> for more information