

TORLYS RigidTile Firm Designer

PART 1 – MATERIALS

1.1 High-Performance vinyl flooring, consisting of a

- Torlys Maxx Commercial Antimicrobial Finish
- **0.55mm transparent vinyl wear layer**
- Vinyl decorative layer, on a 5-layer continuous press extruded SPC Core (*Stone and Vinyl Core*)
- 1.mm Foam Underlay Layer with Microban® antimicrobial treatment

1.2 TORLYS RigidTile Firm Designer flooring shall be:

- **Size:** 457.2 mm x 914.4 mm
- **Total Thickness:** 5 mm (1mm IXPE-attached foam underlay)
- **Type of Finishing:** Maxx coated vinyl.
- **Edge Type:** Bevel 4-sides **WITH** built in grout lines on two sides
- **Type of Decorative Top Layer:** Stone and Tile designs
- **Type of Core:** 5-layer Continuous Press Extruded Rigid SPC Vinyl – *Stone and Vinyl core.*
- **Type of Backing:** 1mm IXPE-attached foam underlay with Microban® antimicrobial treatment.
- **Assembly System:** Uniclic® Glueless
- **Colours:** As selected by the Architect.
- **Type of Installation:** Floating and *Glue if room gets over 50 degrees.*

1.3 Accessories:

- **TORLYS EverTile Mouldings:** As recommended by the manufacturer.
- **Flush nose stair moulding** – 2200mm long (***Indent order***)
- **Reducers** for smooth transitions between floors of different heights
- **T-Moulding** for transitions between floor surfaces (***Indent order***)
- **Colours:** As selected by the architect.

PART 2 – PACKAGING INFORMATION

1. **Pieces per carton:** 4
2. **Square meters/Square feet per carton:** 1.67 m²
3. **Weight per Carton:** 19.8 kg

PART 3 – EXECUTION

3.1 Site Verification of Conditions and Preparation:

- **E3 Preparation** requirements to be followed if going into splash zone areas.
- Repair any defects in the subfloor. All subfloors must be clean, firm, flat (within 4mm in 3m), dry (75RH or less on concrete, 10% or less on plywood) and smooth. You can lay the tiles over any solid and stable subfloor material, including floorgrade plywood, chipboard, old non-creaking flooring boards, hardwood flooring, concrete slabs, PVC or most ceramic tile (avoid heavily embossed tile). It is essential that the crawl space under wood subfloors is sufficiently ventilated. Remove any obstacles and provide sufficient ventilation.
- 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 in a **BRICK PATTERN** from several cartons at the same time, shuffling the tiles to insure colour and shade mix. If possible, lay the tiles parallel to the source of light. The ideal environment is a temperature of 16°C - 21°C

3.2 Installation

- **E3 installation** requirements to be followed if going into splash zone areas.
- Prepare the subfloor. **TORLYS RigidTile Designer** has a built-in foam underlay, therefore **no other** underlay is required when floating.
- A minimum of 5mm expansion gap must be provided at all walls, around pipes and at thresholds. Install the tiles 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
- If a room is going to get over 50 degrees on the floor, then gluing is recommended as the installation method to avoid a thermal shock (*floor could cup or peak*)
- 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 RigidTile Designer** 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 RigidTile Designer** floor
- **Basic cleaning is with a clean damp cloth** (*cloth must not have been used with chemicals previously*)

IMPORTANT: We recommend sun filters on windows to avoid excessive sun or heat directly on the floor.

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
- Detailed maintenance information can be accessed at www.torlys.co.nz

Finishing Touches

TORLYS Smart Trims

A waterproof Multi-Function Transition Moulding that offers an adaptable and colour coordinated profile. Suitable for floating applications. *

TORLYS Smart Step

A unique stair nosing solution to add the perfect finishing touch. This square edge nosing features the same Uniclic® joint as your floor, for an easy and seamless installation.

Sustainability

Every TORLYS Smart Floor has two lives. Years down the road when you want to change your floor, TORLYS Smart Floor can be reused in another room.

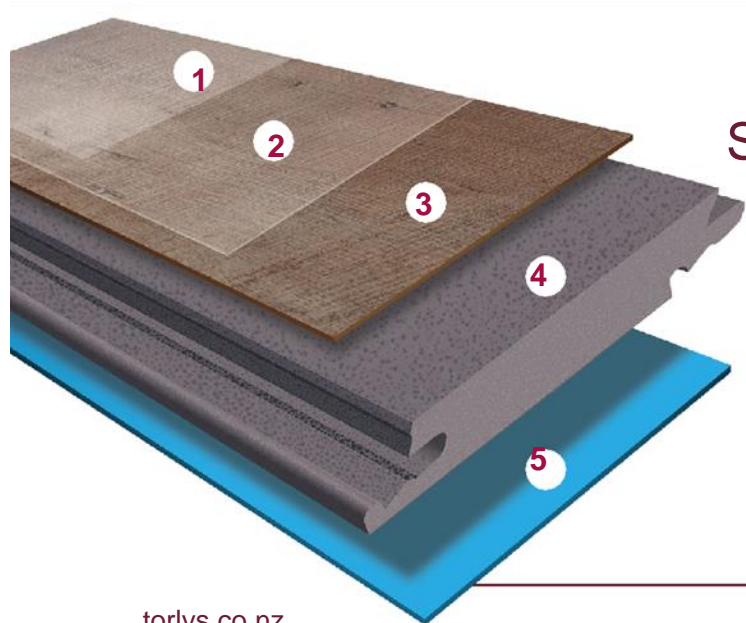
Warranty

Lifetime Limited Transferable Non-Pro Rata Residential Warranty*

15-Year Commercial Limited Warranty

RigidTile™ is fully waterproof when installed with a perimeter seal.

*See installation instructions for details <https://torlys.co.nz>



Stable & Flexible Construction

1. TORLYS Maxx Commercial Finish (Antimicrobial | Anti-Wear)
2. Heavy Duty Wear Layer 0.55mm (22 mil) wear layer
3. Decorative Print Film
4. Rigid Core with Patented Uniclic® Joint
5. FoamPlus™ Blue Underlay with Microban®

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ASTM - ANSI Product Performance Test Grid – RigidTile Firm Designer

Standard	Description	Test Result	Notes
ASTM E648-17	Critical Radiant Flux	Average Critical Radiant Flux: ≥ 0.45 W/cm ²	NFPA Life Safety Code 101 Classification: Class 1
ASTM E662-17a	Smoke Density	≤ 450	Passes ≤ 450 Criteria, as per NFPA Life Safety Code 101
Phthalates as per CPSC-CH-C1001-09.3 (California Proposition 65)	Phthalates	Does not contain phthalate esters	
RoSH	Heavy Metals	Pass	
ASTM D5116-10 (Small Chamber)	Formaldehyde Emissions	No Formaldehyde	
ANSI A137.1-2012	Coefficient of Friction		
ISO4760:2022(E) NZWTA	NZ Wool Testing Authority Topical Moisture Resistance	Impervious Joint Passed Independent Testing	E3.3.3 & E3.3.6 compliant
(Aka DCOF AcuTest)	(Floor Slip Resistance): a) Dynamic Coefficient of Friction(wet) Coefficient of Friction (Floor Slip Resistance): b) Static Coefficient of Friction (dry)	Mean Result: 0.44 Mean Result: 0.49	Passes the ≥ 0.42 requirement
ASTM F925	Resistance to Chemicals	Slight Surface Change / Dulling by White Mineral Oil and NaOH Solution	The scale is 0-3; 0 = no change; 1 = slight change; 2 = moderate change; 3 = severe change
ASTM F1515	Resistance to Light	$E \leq 8$	Test result after 400 hours exposure
ASTM E492-09 (2016) - ASTM E989-06 (2012)	Impact Insulation Class	IIC up to 73	Contact TORLYS for details
ASTM E90-09 (2016) / ASTM E413 - 16	Sound Transmission Coefficient	STC up to 61	

