BPIR
Building Product
Information Requirements

MILLIKEN (AUSTRALIA) PTY LTD LVT TILE PRODUCTS

PRODUCT CLASS

Class 1: Batch or mass-produced products.

PRODUCT NAME (S)

- Mixed Formations – Made of Wood
- Topiary 6mm
- Mixed Formations – Made of Stone
- Lumenology
- Renasci

PRODUCT DESCRIPTION AND ITS INTENDED USE

- Milliken Mixed Formations LVT (Luxury Vinyl Tile) Made of Wood, 18.42cm x 121.92cm x 5mm thick and Gunnison pattern 228.6mm x 1524mm x 5mm thick, micro-bevel edged, wood-look FLEXFORM™ vinyl tiles with 0.55mm wearing layer, suitable for residential and commercial applications. Supplied in boxes of 10 tiles, approximately 2.25m^2 per box and Gunnison pattern supplied in boxes of 5 tiles, approximately 2.09m^2. Available in a range of patterns and colours*.

- Milliken Mixed Formations LVT (Luxury Vinyl Tile) Made of Stone, 45.72cm x 91.44cm x 5mm thick, micro-bevel edged, stone-look FLEXFORM™ vinyl tiles with 0.55mm wearing layer, suitable for residential and commercial applications. Supplied in boxes of 6 tiles, approximately 2.51m^2 per box. Available in a range of patterns and colours*.

- Milliken Topiary LVT (Luxury Vinyl Tile), 232mm x 1532mm x 6mm thick, High Performance Rigid Core Flooring vinyl tiles with 0.50mm wearing layer, suitable for residential and commercial applications. Supplied in boxes of 6 tiles, approximately 2.133m^2 per box. Available in a range of patterns and colours*.

- Milliken Lumenology LVT (Luxury Vinyl Tile), 250mm x 1000mm x 5mm thick, micro-bevel edged, wood-look FLEXFORM™ vinyl tiles with 0.55mm wearing layer, suitable for residential and commercial applications. Supplied in boxes of 8 tiles, approximately 2.00m^2 per box. Available in a range of patterns and colours*.

- Renasci, Resilient Flooring, 50cm x 100cm x 5mm thick, construction is mixed polymers, with integrated polyurethane finish, suitable for residential and commercial applications. Supplied in boxes of 6 tiles, approximately 3.00m^2 per box. Available in a range of patterns and colours*.

PRODUCT IDENTIFIER

Refer to Appendix 2.

**Appendix 1: LVT Full Product Listing with Description and Compliances.*

BPIR
Building Product
Information Requirements

MILLIKEN (AUSTRALIA) PTY LTD LVT TILE PRODUCTS

PLACE MANUFACTURED (NEW ZEALAND OR OVERSEAS)

Milliken (Australia) Ltd, 171 Briens Road, Northmead, NSW 2152, Australia

Milliken Floorcovering, Beech Hill Plant, Gidlow Lane, Wigan, WN6 8RN, United Kingdom

Milliken Floorcovering, 924 Milliken Rd, Spartanburg, SC 29303. USA

Milliken Textile (Zhangjiagang) Co., Ltd.
19 North Guotai Road, Zhangjiagang, Jiangsu, P.R. China, 215638

RELEVANT BUILDING CODE CLAUSES

B2 DURABILITY	Performance clause B2.3.1 c) 5 years
C3 FIRE AFFECTING AREA BEYOND THE SOURCE	C3 Fire Affecting Area Beyond the Source - C3.4 b) - does not apply to detached dwellings, within household units in multi-unit dwellings or outbuildings and ancillary buildings.
D1 ACCESS ROUTES	Performance clause D1.3.3 d)
F2 HAZARDOUS BUILDING MATERIALS	Performance clause F2.3.1

HOW THE BUILDING PRODUCT IS EXPECTED TO CONTRIBUTE TO COMPLIANCE

B2 DURABILITY - B2.3.1 c) 5 years	• Milliken LVTs have a durability of beyond 5 years, based on NZBC B2/VM1 clause 1.1 in-service history. • Durability is supported by a 20-year limited warranty.
C3 FIRE AFFECTING AREA BEYOND THE SOURCE - C3.4 b)	• Milliken LVTs have been tested to ISO 9239.1:2010 and achieve a CRF (Critical Radiant Flux) mean value ranging from 6.3kW/m^2 – 10.4 kW/m^2. Refer to the test report summary in Appendix 2. • The CRF ranges between 6.3kW/m^2 – 10.4 kW/m^2 meet the requirements of NZBC C/AS2 Table 4.5 Critical Radiant Flux for flooring for all risk groups.
D1 ACCESS ROUTES - D1.3.3 d)	• Milliken LVTs meet the requirements for slip resistance in accordance with NZBC D1/AS1 Table 2 Slip Resistance for Walking Surfaces; acceptable for level surfaces and sloping surfaces or stairs, dry slip resistance.

BPIR
Building Product
Information Requirements

MILLIKEN (AUSTRALIA) PTY LTD LVT TILE PRODUCTS

**Appendix 1: LVT Full Product Listing with Description and Compliances.*

F2 HAZARDOUS BUILDING MATERIALS - F2.3.1

- Milliken LVTs are manufactured from non-toxic materials and are:
  - Low VOC
  - Declare – 3rd Party Verified
  - Green Tag

LIMITATIONS ON THE USE OF THE BUILDING PRODUCT

- Suitable for interior use only.
- Suitable for spaces containing sanitary fixtures or sanitary appliances (e.g. kitchens, bathrooms, and laundries except where runny water is expected such as walk-in showers). Please refer to the relevant installation manuals for special instructions for the wet areas' installation.
- Not suitable for level access routes expected to become wet with water in normal use except where safety matting is provided, in accordance with NZBC D1/AS1 (Note: for housing this requirement applies only to the access route on approach to the main entrance, not inside the entrance).

DESIGN REQUIREMENTS THAT WOULD SUPPORT THE APPROPRIATE USE OF THE BUILDING PRODUCT

- Suitable for interior residential and commercial applications expected to remain reasonably dry.
- Suitable for concrete, marble, terrazzo, ceramic, metal flooring, and 6mm minimum thick exterior grade plywood substrates (prepared in accordance with NZS AS 1884 Floor coverings - Resilient sheet and tiles - Installation practices).

INSTALLATION REQUIREMENTS

- Installation in accordance with Milliken LVT Glue down and Interlock Installation Instructions.
- Substrate prepared in accordance with NZS AS 1884 Floor coverings - Resilient sheet and tiles - Installation practices.
- Substrate to be flat (no more than 3mm variance over 2m), dry, smooth, sound, clean, and free from dust and other contaminants.
- Concrete/cementitious substrates Relative Humidity (RH) 80% maximum.
- Substrate to be primed, levelled and sanded.
- Acclimatise LVT tiles for 48 hours minimum at 18º - 29ºC, prior to installation.

MAINTENANCE REQUIREMENTS

- Care and maintenance in accordance with maintenance instructions in Milliken LVT Glue down and Interlock system Installation Instructions and Milliken LVT Care & Maintenance Guide.
- Daily maintenance as required - sweep or vacuum, mop (use neutral pH cleaners).
- Regular maintenance every 2 weeks - sweep or vacuum, wash/buff (175rpm maximum, using white, green or red pad), wet vacuum, mop (use neutral pH cleaners)
- Deep cleaning every 2 - 3 months - sweep or vacuum, scrub with solution (using green pad and Alkaline Cleaner pH 8 - 11), leave for 5 minutes, scrub again, mop thoroughly with clean water to remove cleaning solution.
- Clean liquid spills immediately.

MILLIKEN (AUSTRALIA) PTY LTD LVT TILE PRODUCTS

- Use mats with non-staining backing at entry areas (rubber mats not recommended) and periodically clean floor under mats.
- Use protective furniture glides at least 25mmØ.
- Use protective mats under chairs with castors.
- Do not slide heavy furniture, appliances, or fixture directly across floor.
- Protect from direct sunlight.
- Do not use metal or scrapers to remove dirt or residues on floor.

BUILDING ACT 2004 SECTION 26 COMPLIANCE

- Is the building product/building product line subject to a warning or ban under section 26 of the Building Act 2004? No

**Appendix 1: LVT Full Product Listing with Description and Compliances.*