Coastal

TECHNICAL DATA SHEET

Coastal LVT 2.5mm

Subject to change without notification

Product Information

Width	228.6mm
Length	1524mm
Thickness	2.5mm
Wear layer thickness	0.7mm (28 mil)
Bevel	Micro Bevel
Installation	Glue down
Number of planks per pack	10
m² per pack	3.48sqm
Packs per pallet	60 packs
Colours	Awaroa, Otama, Piha, Punakiki, Rarawa, Taranaki, Tasman, Te Arai, Wainui, Whakariki

Specification Tests

	METHOD	DETAIL	COASTAL RESULTS
Size and squareness	ASTM F2421	Size ±0.4mm/305mm; squareness max 0.25mm	Passed
Thickness	ASTM F386	±0.13mm	Passed
Wear layer thickness	ASTM F410	≥ 0.5mm (20 mil)	Passed
Flexibility	ASTM F137	25.4mm mandrel, no crack or break	Passed
Dimensional stability	ASTM F2199	Max 0.51mm/305mm	Passed
Residual indentation	ASTM F1914	Average < 8%, max ≤ 10%	Passed
Resistance to chemicals	ASTM F925	No more than slight change in surface dulling, attack or staining	Passed
Resistance to heat	ASTM F1514	Colour stability, ΔE < 8.0 after 7 days at 70°C	Passed
Resistance to light	ASTM F1515	Colour stability, ΔE < 8.0 after 300 hr exposure	Passed

Safety and Performance Tests

	METHOD	DETAIL	COASTAL RESULTS
VOC's / TVOC's emissions	CDPH Method	FloorScore certification	Passed
Substances of very high concern	REACH SVHC	≤ 0.1% by weight, each substance	Passed
Migration of certain elements	EN 71-3	19 heavy elements (CE Mark)	Passed
Heavy Metals	ASTM F963	Table 1	Passed
Ortho-phthalates	CPSC-CH-C1001-09	≤ 1,000 ppm	Passed
Critical radiant flux	ASTM E648	Radiant panel	Passed, Class I[1]
Smoke density, flaming & non-flaming	ASTM E662		Passed, ≤ 450[2]
Slip resistance	ASTM D2047	Static coefficient of friction	Passed, ≥ 0.5
Body Voltage	ANSI ESD STM97.2		0.95 kV
Abrasion resistance	ASTM D4060		> 25,000 Cycles
Static load	ASTM F970		1,400 psi (at 0.005 in)
Delta impact insulation class (ΔIIC)	ASTM E2179	Glue down with 1mm GDP[4]	22dB
Sound transmission class (STC)	ASTM E90	Glue down with 1mm GDP[4]	51dB[3]
Sound transmission class (STC)	ASTM E90	Glue down with 1mm GDP[4], with suspended ceiling	61dB
Impact insulation class (IIC)	ASTM E492	Glue down with 1mm GDP[4]	50dB[3]
Impact insulation class (IIC)	ASTM E492	Glue down with 1mm GDP[4], with suspended ceiling	66dB

Note:

1. Passed requirements for Class I per International Building Code (IBC): critical radiant flux ≥ 0.45 W/cm².
2. 450 is the limit used by many state, county, and/or local building and/or fire codes in the United States, but it has not been established as a national limit for (resilient) flooring products.
3. Tested assemblies pass International Building Code (IBC) requirements of STC ≥ 50 and IIC ≥ 50 for multi-story dwellings.
4. GDP = Glue Down Pad. As a 2.5mm LVT, Coastal has limited impact-sound insulation on its own, so all acoustic tests were conducted with the product glued down over a 1mm Glue Down Pad.