

HARMONY

LUXURY VINYL PLANKS

PRODUCT SPECIFICATIONS

Plank Size	150 mm (W) x 1220 mm (L) x 5.0 mm (T)
Wear Layer	0.5 mm

TECHNICAL OVERVIEW

Characteristic	Technology Target	Result	Remark
Appearance	No chipping, cracking, delamination, bubbles shallow embossing, scratches, dirt, poor cut, etc	Pass	EN 649
Plank Size (mm)	Length: 1220 mm	Deviation $\leq 15\%$ of nominal length	Pass ISO 10582: 2017 Table 2 & ISO 24342: 2008(E)
	Wide: 150 mm	Deviation $\leq 0.10\%$	Pass ISO 10582: 2017 Table 2 & ISO 24342: 2008(E)
	Wear Layer Thickness: 0.5 mm	Nominal Value $+0.13\%$ / -0.10 mm and should not exceed ± 0.1 mm	Pass ISO 10582: 2017 Table 2 & ISO 24340: 2006
	Total Thickness: 5 mm	Nominal Value $+0.13\%$ / -0.10 mm	Pass ISO 10582: 2017 Table 2 & ISO 24346: 2006
Squareness (mm)	≤ 0.35 mm	Pass	ISO 10582: 2017 Table 2 & ISO 24342: 2008(E)
Straightness (mm)	≤ 0.35 mm	Pass	ISO 10582: 2017 Table 2 & ISO 24342: 2008(E)
Formaldehyde Emission	/	Class E1	E1
Wear Resistance	Volume Loss Fv (mm ³) / 100 revolutions	Wear Group T Fv ≤ 2.0	EN 6602: 1999 + A1: 2003 & EN 649: 2011
Color Fastness to Light	/	Better than 6	ISO 105-B02: 2004 Method 2
Effects of Stains	Acetone, coffee, sodium hydroxide solution hydrogen peroxide, shoe polish	No Visible Change	ISO 10582: 2017 Annex A & ISO 26987: 2008
Flammability / Smoke Emission	/	Bfl-s1	EN 13501-1: 2007 + A1: 2009
Effect of a Castor Chair	No delamination shall occur. No disturbance to the surface other than a slight change in appearance	Pass	ISO 10582: 2017 Table 2 & ISO 4918: 2016
Slip Resistance	/	R10	DIN 51130: 2014
Residual Indentation (average) mm	≤ 0.1 mm	Pass	ISO 10582: 2017 Table 2 & ISO 24343-1: 2007






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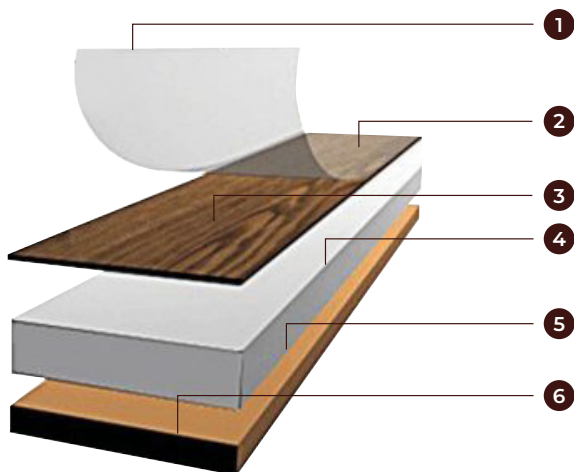
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TECHNICAL OVERVIEW

Characteristic	Technology Target	Result	Remark
Dimensional Stability After Exposure to Heat (%)	$\leq 0.25\%$	Pass	ISO 10582: 2017 Table 2 & ISO 23999: 2018
Curing After Exposure to Heat	$\leq 2 \text{ mm}$	Pass	
Green Label	 Singapore Environment Council	Pass	
Phthalate	Phthalate free	Pass	EN 14372: 2004
CE Certified		Pass	EN 14041: 2004
Migration of Certain Elements (Heavy Metal Elements)	Refer to Test Report	Not Detected	EN 71-3: 2019



REGULAR LVT STRUCTURE



1	Transparent PVC Layer
2	UV (Ultraviolet) Cured Layer (Aluminum Oxide)
3	PVC Decoration Film
4	Middle PVC Backing
5	Fiber Glass
6	Bottom PVC Backing



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