

SHOWHOME Glue-Down - LVT Flooring

Technical Data Sheet | Version ROW

Product type: LVT (Luxury Vinyl Tile)	Installation: Glue-down
Overall thickness: 2.5 mm	Bevel: 4-sided bevel
Wear layer: 0.5 mm	Finish: UV coating

Version: ROW | Country of Origin: China

Last update: 27.08.2024

Technical Specifications	
Product type	LVT (Luxury Vinyl Tile)
Overall thickness	2.5 mm
Wear layer	0.5 mm
Installation	Glue-down
Bevel	4-sided bevel
Finish	UV coating

Class of Use and Warranty	
Class of Use	Warranty
EN 16511 - 23 Heavy Domestic	25 Years Limited
EN 16511 - 33 Heavy Commercial	15 Years Limited

Certifications	
CE Marking	Compliant
GreenGuard Gold	Compliant
IAC Gold	Compliant

Standard	Parameter	Test Method	Requirement	Result
EN 14041	Emissions	EN 717-1	≤0.124 mg/m³	Compliant
Décret No. 2011-321	Emissions	ISO 16000	TVOC <1000 µg/m³	Compliant
Prop 65	Ortho-phthalates	Spectrometry	N.D.	Compliant
CPSIA & Prop 65	Ortho-phthalates	CPSC-CH-C-1001-09.4	N.D.	Compliant
REACH SVHC	SVHC substances	Spectrometry, Chromatography	≤0.1%	Compliant

Physical Properties				
Standard	Parameter	Test Method	Requirement	Result
ISO 10582	Dimensional stability	ISO 23999	ΔW/ΔL ≤0.25%	Compliant
	Curl	ISO 23999	≤2 mm	Compliant
	Length tolerance	ISO 24342	≤0.15% of nominal L, max 0.5 mm	Compliant
	Width tolerance	ISO 24342	≤0.1% of nominal L, max 0.5 mm	Compliant
	Thickness tolerance	ISO 24346	+0.13 mm / -0.1 mm	Compliant
	Wear layer thickness	ISO 24340	+13% / -10%	Compliant
	Dimensional stability	ISO 23999	ΔW/ΔL ≤0.25%	Compliant
	Light fastness (Blue wool)	ISO 105-B02:2014 Method 3A	≥Grade 6	Compliant
	Residual indentation	ISO 24343-1	≤0.1 mm	Compliant
	Castor chair	ISO 4918	Only slight changes	Compliant
EN 16511	ASTM F1515	ASTM F1515	ΔE ≤8	Compliant
	Martindale (Gloss retention)	EN 16094	≤MSR-A3	Compliant

Standard	Parameter	Test Method	Requirement	Result
EN 14041	Martindale (Micro-scratch)	EN 16094	≤MSR-B3	Compliant
	Furniture leg	EN 424	No visible damage	Compliant
	Resistance to staining	EN 438-2	Group 1 and 2: Grade 5; Group 3: Grade 4	Compliant
	Thermal resistance (R)	EN 1266/ASTM C518	N/A	Compliant
	Slip resistance	EN 13893	≥0.3	Compliant
Others	Reaction to fire	EN 13501-1	Class Bfl-s1	Compliant
	Slip resistance	DIN 51130/DIN EN 16165 Annex B	≥R9	Compliant

LEED SCORECARD

Credit Type	Points	Criteria	Product Contribution
LEED BD+C and ID+C – EQ Credit: Low-Emitting Materials	1-3	Option 1. Product tested per CDPH Standard Method v1.2-2017; complies with VOC limits in Table 4-1. Total VOCs after 14 days (336 h) measured per CDPH v1.2. Option 2. Product tested per EN 16516:2017; complies with German AgBB LCI values (2015) and formaldehyde limit of 10 µg/m³. Total VOCs after 28 days measured per EN 16516.	CFL LVT products are GreenGuard Gold certified. CFL Rigid Core products are IAC Gold certified, including compliance with German AgBB testing.
MR Credit: Building Product Disclosure and Optimization – Material Ingredients	1	Option 1. Material Ingredient Optimization – REACH Optimization. Ingredients inventoried to 100 ppm; assessed against REACH Authorization List (Annex XIV), Restriction List (Annex XVII), and SVHC Candidate List (June 2013 version).	CFL LVT products are REACH compliant.
Product tested per CDPH Standard Method v1.2-2017, complying with VOC limits in Table 4-1. Total VOC range after 14 days (336 h) measured per CDPH Standard Method v1.2 (TVOC: ≤0.5 mg/m³, 0.5–5 mg/m³, or ≥5 mg/m³). Option 2: tested per EN 16516:2017, complying with German AgBB LCI values (2015) and formaldehyde limit of 10 µg/m³; total VOCs after 28 days measured per EN 16516.			

WELL SCORECARD

Facet	Feature / Part	Requirement	Result
AIR – 01. Air Quality Standards	Standards for Volatile Substances	Formaldehyde <27 ppb; TVOC <500 µg/m³	Formaldehyde <0.05 mg/m³; TVOC <0.5 mg/m³
AIR – 04. VOC Reduction	Interior Paints and Coatings; Flooring	CARB 2007 / SCAQMD Rule 1113; CDPH Standard Method v1.1-2010	CARB VOC <0.11 ppm; TVOC ≤0.5 mg/m³ (CDPH/EHLB v1.1-2010); GreenGuard Gold
AIR – 11. Fundamental Material Safety	Asbestos and Lead Restriction	No asbestos; ≤100 ppm added lead	No asbestos; <100 ppm lead (<90 ppm for abatement)
AIR – 25. Toxic Material Reduction	Halogenated FR; phthalates; urea-formaldehyde	≤100 ppm each	No halogenated FR; phthalates <100 ppm (CPSIA/REACH); urea-formaldehyde <100 ppm
COMFORT – 74. Exterior Noise Intrusion	Sound Pressure Level	Average outside noise ≤50 dBA	L _{nw} = 42 dB (ISO 10140-3); R _w = 67 dB (ISO 10140-2)
COMFORT – 79. Internally Generated Noise	Sound Masking Limits	Open workspaces: 45–48 dBA; Enclosed offices: 40–42 dBA	L _{nw} = 42 dB (ISO 10140-3); R _w = 67 dB (ISO 10140-2)