

Stone Plastic Composite (Rigid LVT) Version: ROW Last updated: 11.12.2025

Plank dimensions: 710 × 142 × 6 mm · Coverage 2.488 m² per box

Technical specifications

Product type	SPC (Rigid LVT)	Plank dimensions	710 × 142 × 6 mm
Overall thickness	6.0 mm	Wear layer	0.5 mm
Backing	1 mm IXPE (pre-attached)	Finish	Anti-microbial UV coating
Bevel	Cut bevel on four sides	Installation	Floating, tight click-lock
Coverage per box	2.488 m ²	Country of origin	Made in China

Class of use and warranty

Domestic use class	23 (Heavy)	Commercial use class	32 (General)
Domestic warranty	15 years, limited	Commercial warranty	10 years, limited

Certifications

CE marking	Certified	UKCA marking	Certified
IAC Gold	Certified	GreenGuard Gold	Certified
Product Health Declaration	HPDC	Assure	Certified

Environmental impact

Life Cycle Assessment	October 2022	Environmental Product Declaration	Oct 2022 – Oct 2027
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Chemical properties

NORM	ITEM	TEST METHOD	REQUIREMENT	RESULT
EN 14041	Emissions	EN 717-1	≤0.12 mg/m ³	Compliant
Décret 2011-321	Emissions	ISO 16000	VOC A+ (TVOC <1000 µg/m ³)	Compliant
CDPH	Emissions	Spectrometry / chromatography	TVOC ≤220 µg/m ³	Compliant

NORM	ITEM	TEST METHOD	REQUIREMENT	RESULT
CPSIA & Prop 65	Ortho-phthalates	CPSC-CH-C-1001-09.4	Not detected	Compliant
REACH	SVHC	Spectrometry / chromatography	≤0.1%	Compliant

Physical and mechanical properties

NORM	ITEM	TEST METHOD	REQUIREMENT	RESULT
ISO 10582	Length	ISO 24342	≤0.15% of nominal, max 0.5 mm	Compliant
	Width	ISO 24342	≤0.1% of nominal, max 0.5 mm	Compliant
	Squareness & straightness	ISO 24342	≤0.25 mm/≤400 mm; ≤0.35 mm/≥400 mm	Compliant
	Total thickness (with backing)	ISO 24346	+0.13/-0.1 mm, max ±0.15 mm	Compliant
	Wear layer thickness	ISO 24340	+13% / -10%	Compliant
	Dimensional stability (6 h at 80°C)	ISO 23999	ΔW/ΔL ≤ 0.15 %	Compliant
	Curling	ISO 23999	≤ 1 mm	Compliant
	Castor chair	ISO 4918	Heavy commercial, 25,000 rev	Compliant
	Residual indentation	ISO 24343-1	≤0.1 mm	Compliant
	Light fastness (blue wool)	ISO 105-B02:2014 Method 3A	≥ Grade 6	Compliant
	Locking strength	ISO 10582 App. D	≥1.5 kN/m	Compliant
EN 16511	Wear resistance	EN 13329 / ISO 24338 Proc. A	≥4000 cycles (AC4)	Compliant
	Impact resistance	EN 13329 Annex F	≥1600 mm	Compliant
	Martindale (gloss retention)	EN 16094	≤ MSR-A2	Compliant
	Martindale (micro-scratch)	EN 16094	≤ MSR-B2	Compliant
EN 14041	Resistance to staining	EN 438-2	Groups 1-2: Grade 5; Group 3: Grade 4	Compliant
	Swelling	ISO 24336	≤12%	Compliant
	Slip resistance	EN 13893	≥0.3	Compliant
	Reaction to fire	EN 13501-1	Class Bfl-s1	Compliant
Others	Slip resistance	DIN 51130 / EN 16165 Annex B	≥R9	Compliant

Acoustic performance

PROPERTY	RESULT	TEST METHOD
Airborne sound reduction (Rw)	68 dB	ISO 10140-2
Impact sound (Lnw)	41 dB	ISO 10140-3

PROPERTY	RESULT	TEST METHOD
Impact sound reduction (ΔL_w)	20 dB	ISO 10140-1

Acoustic performance results are provided for reference only.

Sustainability

Contributes to LEED v4 (BD+C and ID+C): Low-Emitting Materials (1–3 points, GreenGuard Gold / FloorScore and IAC Gold certified), Environmental Product Declaration (1 point), and Material Ingredients via Health Product Declaration and REACH compliance (1 point). Supports WELL Building Standard preconditions for air quality and low-emitting materials (formaldehyde <27 ppb, TVOC <0.5 mg/m³), fundamental material safety (no asbestos, <100 ppm lead), and acoustic comfort (Rw 68 dB, Lnw 41 dB).

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Product manufactured to European standards. Specifications subject to change; figures per manufacturer test data.