



STONEFLOOR

SPC LAMINATE
FLOORING











TECHNICAL DATA




STONEFLOOR

 SPC LAMINATE



 FLOORING

Description	Standard	Symbol	Requirements	Results
Identification	EN ISO 10582	N/A	Type I: Wear Layer Binder Content $\geq 80\%$	Passes Requirements
Classification (Level of Use)	EN ISO 10582 EN ISO 10582		Domestic - Heavy (Class 23) Wear Layer (Nominal): $\geq 0.30\text{mm}$ Thickness (Nominal): $\geq 1.5\text{mm}$	Passes Requirements (Nominal)
			Commercial - Heavy (As HDF Class 33) Wear Layer (Nominal): $\geq 0.30\text{mm}$ Thickness (Nominal): $\geq 2.0\text{mm}$	Passes Requirements (Nominal)
			Light Industrial - Heavy (Class 43) Wear Layer (Nominal): $\geq 0.70\text{mm}$ Thickness (Nominal): $\geq 2.0\text{mm}$	Passes Requirements (Nominal)
Size and Straightness	EN426		Size: $\leq 0.15\%$ from Nominal Straightness: If Size $\leq 400\text{mm}$: $\leq 0.25\text{mm}$ If Size $> 400\text{mm}$: $\leq 0.35\text{mm}$	Passes Requirements
Thickness	EN 428		Average (from Nominal): $+0.13\text{mm} / -0.10\text{mm}$ Any Sample (from Average): $\pm 0.15\text{mm}$	Passes Requirements
Dimensional Stability	EN 434		$\leq 0.15\%$	Surpasses Requirements
Curling	EN 434	N/A	$\leq 1.2\text{mm}$	Surpasses Requirements
Flexibility	EN 435		No cracks (20mm Mandrel)	Passes Requirements
Residual Indentation	EN 433		$\leq 0.1\text{mm}$	Surpasses Requirements
Castor Chair	ISO 4918		After 25,000 cycles: Delamination - None Appearance \leq "Slight Change"	Passes Requirements
Colour Fastness to Light	ISO 105-B02, Method 3		\geq Grade 6	Surpasses Requirements






EUROPEAN / INTERNATIONAL STANDARDS – CE CERTIFICATION / TESTING

Description	Standard	Symbol	Requirements	Results
Reaction to Fire (and Smoke Production)	EN 13501-1		B_{fi} - s1 Classification Critical Flux: $\geq 8.0\text{kW/m}^2$ Flame Spread: $\leq 150\text{mm}$ within 20s Smoke value as % x min: ≤ 750	Passes Requirements

EUROPEAN / INTERNATIONAL STANDARDS – CE CERTIFICATION / TESTING (CONTINUED)

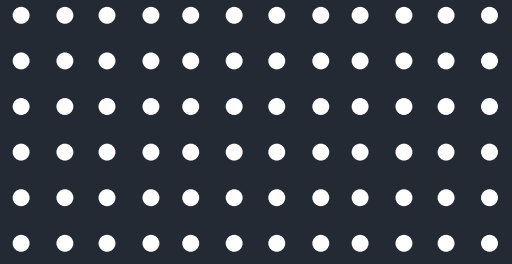
Description	Standard	Symbol	Requirements	Results
Formaldehyde Emission	EN 717-1		Class E1: Release $\leq 0.124 \text{mg/m}^3$	Passes Requirements
Slip Resistance (Dry)	EN 13893		Class DS: Coefficient of Friction ≥ 0.30	Passes / Surpasses Requirements

EUROPEAN / INTERNATIONAL STANDARDS – AUXILIARY PERFORMANCE & SAFETY

Description	Standard	Symbol	Requirements	Results
Slip Resistance (Wet) ¹	DIN 51130	N/A	Grade R10: $\geq 10^\circ$ and $< 19^\circ$	Passes / Surpasses (Except Antiqued/Hand Scraped and Barnside embosses)
Slip Resistance (Australia / New Zealand) ²	AS 4586	N/A	Wet Pendulum (Slider 96) P3: 35-44 SRV Oil-Wet Inclining Platform Grade R10: $\geq 10^\circ$ and $< 19^\circ$	Passes / Surpasses (Except Light Wood Tick Emboss)
Chemical Resistance	EN 423		N/A	No effect
Thermal Conductivity	EN ISO 22007		N/A	0.062 W / mK at 20°C
Thermal Resistance	EN 12667		N/A	EN 12667 0.081 m ² K / W at 20°C
Abrasion / Wear Resistance ³	EN 660-2		N/A	$F_v \leq 2.0 \text{mm}^3 / 100\text{r}$
Sound Reduction	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		N/A	$\Delta L_W = 11 \text{dB}$ $C_{I\Delta} = -6 \text{dB}$
Product-Content Safety	REACH SVHC 163	N/A	N/A	Passes Requirements

Footnotes

- Slip Resistance-Wet (DIN 51130):** Results vary with emboss. Grade R9: Antiqued/Hand Scraped, Barnside; Grade R10: Honed Stone, In-Register (IRE) Plank, In-Register (IRE) Tile, Light Wood Tick, Pebble, Satin, Wire Brush.
- Slip Resistance-Australia/New Zealand (AS 4586), Oil-Wet Inclining Platform:** Results vary with emboss. Grade R9: Light Wood Tick; Grade R10: Antiqued/Hand Scraped, Barnside, Honed Stone, In-Register (IRE) Plank, In-Register (IRE) Tile, Pebble, Satin, Wire Brush.
- Sound Reduction (EN ISO 10140-3, ISO 717-2, EN ISO 140-8):** ΔL_W = Weighted Reduction of Impact Sound Pressure Level; $C_{I\Delta}$ = Spectrum Adaptation.



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