












# TECHNICAL DATA

## SPC 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		<b>Domestic - Heavy (Class 23)</b> Wear Layer (Nominal): $\geq 0.30\text{mm}$ Thickness (Nominal): $\geq 1.5\text{mm}$	Passes Requirements (Nominal)
			<b>Commercial - Very Heavy (Class 34)</b> Wear Layer (Nominal): $\geq 0.70\text{mm}$ Thickness (Nominal): $\geq 2.0\text{mm}$	Passes Requirements (Nominal)
			<b>Light Industrial - Heavy (Class 43)</b> 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>B<sub>fl</sub> - s1 Classification</b> Critical Flux: $\geq 8.0\text{kW/m}^2$ Flame Spread: $\leq 150\text{mm}$ within 20s Smoke value as % x min: $\leq 750$	Passes Requirements

## TECHNICAL DATA SHEET

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

Description	Standard	Symbol	Requirements	Results
Formaldehyde Emission	EN 717-1		<b>Class E0:</b> Release $\leq 0.05 \text{ mg/m}^3$	0 $\text{mg/m}^3$
Slip Resistance (Dry)	EN 13893		<b>Class DS:</b> Coefficient of Friction $\geq 0.30$	Passes / Surpasses Requirements

### EUROPEAN / INTERNATIONAL STANDARDS – AUXILIARY PERFORMANCE & SAFETY

Description	Standard	Symbol	Requirements	Results
Slip Resistance (Wet) <sup>1</sup>	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) <sup>2</sup>	AS 4586	N/A	<b>Wet Pendulum (Slider 96)</b> P3: 35-44 SRV <b>Oil-Wet Inclining Platform</b> Grade R10: $\geq 10^\circ$ and $< 19^\circ$	Passes / Surpasses (Except Light Wood Tick Emboss)
Chemical Resistance	EN 423		N/A	No effect
Thermal Resistance	EN 12667		N/A	<b>EN 12667</b> 0.21149 W / mK at 25°C
Abrasion / Wear Resistance	EN 660-2		N/A	$F_v \leq 2.0 \text{ mm}^3 / 100\text{r}$
Sound Reduction <sup>3</sup>	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		N/A	$\Delta L_W = 11 \text{ dB}$ $C_{1\Delta} = -6 \text{ dB}$
Product-Content Safety	REACH SVHC 163	N/A	N/A	Passes Requirements

### Footnotes

- 1) **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.
- 2) **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.
- 3) **Sound Reduction (EN ISO 10140-3, ISO 717-2, EN ISO 140-8):**  $\Delta L_W$  = Weighted Reduction of Impact Sound Pressure Level;  $C_{1\Delta}$  = Spectrum Adaptation.