

Technical Data Sheet of ABA SPC Flooring

Item	Test Standard	Requirement Result
Dimensional stability (6hrs at 80°C)	ISO 23999	$\Delta W/\Delta L \leq 0.15\%$
	ISO 23999	Curling: $\leq 1\text{mm}$
Length	ISO 24342	$\leq 0.15\%$ of nominal L up to max 0.5mm
Width	ISO 24342	$\leq 0.1\%$ of nominal L up to max 0.5mm
Total thickness (with backing)	ISO 24346	+0.13mm/-0.1mm
Squareness	ISO 24342	$\leq 0.25\text{mm}/\leq 400\text{mm}$ $\leq 0.35\text{mm}/\geq 400\text{mm}$
Flatness	ISO 10582 Appendix B	Length: $\leq 0.50\%$ (concave) / $\leq 1.0\%$ (convex) Width: $\leq 0.10\%$ (concave) / $\leq 0.15\%$
Openings	ISO 10582 Appendix C	Average $\leq 0.15\text{mm}$ / Max $\leq 0.2\text{mm}$
Height difference	ISO 10582 Appendix C	Average $\leq 0.1\text{mm}$ / Max $\leq 0.15\text{mm}$
Residual indentation	ISO 24343-1	$\leq 0.1\text{mm}$
Castor chair	ISO 4918	Moderate Commercial 15,000R
Light fastness (Blue wool)	ISO 105-B02:2014 Method 3A	\geq Grade 6
Locking strength	ISO 10582 Appendix D	$\geq 1.5 \text{ KN/m}$
Wear resistance	EN 13329	≥ 4000 cycles (AC4)
Impact resistance	EN 13329 Annex F	$\geq 1600\text{mm}$
Martindale (Gloss retention)	EN 16094	\leq MSR-A2
Martindale (Micro-scratch)	EN 16094	\leq MSR-B2
Furniture leg	EN 424	No visible damage
Resistance to staining	EN 438-2	Group 1 and 2: Grade 5 Group 3: Grade 4
Swelling	ISO 24336	$\leq 12\%$
Thermal Resistance (R)	EN 12667/ASTM C518	NA
thermal Conductivity	EN 12667/ASTM C518	NA
Slipperiness	EN 13893	≥ 0.3
Reaction to fire	EN 13501-1	Class Bfl -s1
Slipperiness	DIN 51130	$\geq R9$
Airborne sound transmission	ISO 10140-2	N/A
Impact sound transmission	ISO 10140-3	N/A
Impact sound transmission -	ISO 10140-1	N/A
Resistance to staining	EN423	Not affected