

SPECIFICATION SHEET - LIBERTY COLLECTION

Dimensions:	7.5" Wide x 48.6" Long x 5mm thick overall (4mm core plus 1mm IXPE pad)
Wear Layer:	20mil Wear Layer
Finish Coating:	Stampede Finish, Embossed
Profile:	4-Sided Painted Bevel
Warranty:	Lifetime Residential, 15 Yr Commercial, 15 Yr Multi-Family
Installation:	Tightlock Angle/Drop/Tap



TEST METHOD & REQUIREMENTS

	ITEM	TEST METHOD	REQUIREMENT	RESULT
ASTM F3261	Surface Integrity	ASTM F1914	No puncture	Pass
	Dimensional Stability	ASTM F2199/ISO 23999	≤ 0.2% (commercial)	Pass
	Curling	ASTM F2199/ISO 23999	≤2mm	Pass
	Length tolerance	ISO 24337	+/- 2 mm	Pass
	Width tolerance	ISO 24337	+/- 0.4mm	Pass
	Thickness tolerance	ASTM F387	+/- 0.13mm (no backing); +/- 0.20mm (with)	Pass
	Squareness	ISO 24337	0.25mm	Pass
	Flatness	ISO 24337	Length: ≤ 0.50% (concave) ≤ 1.0% (convex) Width: ≤ 0.10%(concave) ≤ 0.15% (convex)	Pass
	Residual Indentation	ASTM F1914	≤0.18mm (70lbs/34kg)	Pass
	Static load	ASTM F970/ASTM F387	≤0.13mm	Pass
ASTM F1700*	Resistance to chemicals	ASTM F925	Slight change only	Pass
	Resistance to Heat	ASTM F1515	ΔE ≤8	Pass
	Resistance to light	ASTM F1514	ΔE ≤8	Pass
ISO 10582	Residual Indentation	ASTM F1914	≤ 8% (140 lbs/63.5kg)	Pass
	Residual Indentation	ISO 24343-1	≤ 0.1mm	Pass
	Resistance to light	ISO 105-802:2014 Method 3A	≥ Grade 6	Pass
NALFA LF 01-2011	Locking strength	ISO 10582	≥2.0 kN/m	Pass
	Castor chair	ISO 4918	Only slight change	Pass, moderate commercial class of use
	Resistance to Chemicals	NALFA LF 01-2011	Slight change only	Class 4, meets commercial requirements
	Impact Resistance	NALFA LF 01-2011 3.5	≥ 1400mm	Class 4, meets commercial requirements
EN 14041	Impact Resistance	NALFA LF 01-2011 3.6	≥ 500mm	Class 4, meets commercial requirements
	Thermal Resistance (R)	EN 12667/ASTM C518	< 0.15 kN/M	Suitable for underfloor heating systems
	Slipperiness	EN 13893	≥ 0.3	Pass
Others	Reaction to fire	EN 13051-1	NA	Class Bfl -S1
	Density	ISO 23996	NA	Around 1650kg/m3
	Airborne sound transmission	ASTM E413-16	≥50	68
	Impact sound transmission	ASTM E989-6	≥50	66
	Reducing impact sound transmission	ASTM E2190-16	NA	22
	Slipperiness	ANSI A137-1	≥ 0.42	Pass
	Slipperiness	DIN 51130	NA	R10
	Rolling Load	ASTM F2753	NA	0.005 inch
	Fire Resistance (CHF)	ASTM E648/NFPA 253	≥0.45	Class 1

*Note: Only tests specific to ASTM F1700 are listed here; for tests and requirements similar to ASTM F3261, please refer to the tests under that standard. LEED and WELL Scorecards available upon request.