

Technical Data Sheet

GENERAL CHARACTERISTIC

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Dimension	ASTM F2055		7 3/16" x 48" 0.597 ft x 4.003 ft 182mm x 1220 mm Length: 0/+0.3 Width: 0/+0.1
Total Thickness	ASTM F387		8 mm -0.1/+0.13mm
Click systems			Uniclic Patented
Beveled Edge			Yes - Micro Bevel
Finish			EIR Embossed-in-Register
Thickness of Wear Layer	ASTM F410		22 Mil 0.55mm
Underlayment optionally IXPE			1.5 mm IXPE Underlay
Total Weight	ASTM F137		3kgs/plank(±3%) 6 planks/box 40.12lbs/box
Use Classification	ASTM F3261		Class 32

TOLERANCE

CHARACTERISTICS	NORM	REQUIREMENT
Dimensional Stability	ASTM F2199	≤ 0.20%
Curling	ISO 23999	≤ 1.5 mm
Squareness (plank)	ASTM F2055	≤ 0.010 in. (≤ 0.25 mm)
Width Flatness	ISO 24337	fw ≤ 0.15%
Length Flatness	ISO 24337	fl ≤ 0.20%
Cupping Flatness	ISO 24337	≤ 0.10 mm
Openings / Assembling	ISO 24337	≤ 0.20 mm
Ledging	ISO 24337	≤ 0.1 mm

SPECIFICATION

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Abrasion Resistance	ASTM D4060		≥4000 cycles
ASTM Specification Classification	Class 1, Type B, Grade 1, Class B		Class 1, Type B, Grade 1, Class B
Resistance to Staining	ASTM D1308		No visible staining, discoloration, or surface degradation
Furniture Leg	ASTM F2753		No visible damage

Castor Chair	ASTM F2753		No visible damage after 25,000 cycles
Heat stability (color change)	ASTM F1514		< 8.0
Light Stability (Color Change Test)	ASTM F1515		$\Delta E \leq 8.0$
Gloss Level	ASTM D523		Ultra Matte <10 GU
Locking Strength	ASTM F2823		Longitudinal joint: 3.4 kN/m, Trans joint 3.6 kN/m.
Impact Sound Reduction	ASTM E492 / E989		IIC 60-65
STC Sound Testing	ASTM 492-09		STC 56-60
IIC Sound Testing	ASTM E 989-18		IIC 62-65
Static Electrical Loading	ASTM F150		≤ 1.8 kV
Micro Scratch Resistance	EN 16094:2012, Procedure A&B		MSR-A1, MSR-B1
Heavy Metal content	ASTM F963-17		(Pb) ≤ 90 ppm; (Cd) ≤ 75 ppm; (Hg) ≤ 60 ppm; (As) ≤ 25 ppm; (Sb) ≤ 60 ppm; (Ba) ≤ 1000 ppm; (Cr VI) ≤ 60 ppm; (Se) ≤ 500 ppm
Surface treatment (UV)			2-pass UV cured urethane
Surface Integrity	ASTM F1914		No visible changes or only minor indentation
Residual Indentation	ASTM F1914		≤ 0.007 in (0.18 mm)
Static Load (Residual Indentation)	ASTM F970		≤ 0.005 in. (≤ 0.13 mm)
Chemical Resistance	ASTM F925		No Effect
Impact Resistance	NALFA LF-01 2019		≥ 1400 mm (55.1 in.)

*Sound Ratings were achieved in a lab environment. For accurate sound ratings, on-site testing must be done.

ESSENTIAL CHARACTERISTICS

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Reaction to Fire	ASTM E648		Class I (≥ 0.45 W/cm ²)
Formaldehyde	ASTM E1333		CARB P2
Pentachlorophenol (PCP)	CP 491510-01		PCP levels ≤ 5 ppm
Thermal Resistance	ASTM C518		0.03 to 0.05 m ² ·K/W (or 0.1 to 0.3 ft ² ·h·°F/BTU)
Slip Resistance (Slip Resistance for Coated Surfaces)	ASTM D2394		Dry Surface COF ≥ 0.50 Wet Surface COF ≥ 0.42
Optical Smoke Density	ASTM E662		N/A

UNDERFLOOR HEATING

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Floor Heating System	Yes suitable, see separate installation instructions		Max.32° C

ENVIRONMENTAL CERTIFICATION

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
FloorScore	Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0		confirm
TVOC	EN 16516 , ISO 16000		A+

Attention: The provided specifications represent typical values and may be subject to slight variations across production batches. Certain performance characteristics may naturally evolve over time with usage. Custom orders are available upon request.