





Technical Data Sheet

Category: Luxury Vinyl Plank

Product line: Avorox

Collection: ESSENTIAL



GENERAL CHARACTERISTIC

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Dimension	ASTM F2055		9" x 60" 0.75ft x 5ft 228mm x 1524mm 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			Wood grain
Thickness of Wear Layer	ASTM F410		20 Mil 0.5mm
Underlayment			2.0 mm EVA Padding
Net Weight			4.4kgs/plank (±3%) 5 planks/box 21.5 kgs/box (47.4 lbs/box)
Package			1.667,87SQM 4800 planks 960 boxes 20 pallets 1 cont 20GP






TOLERANCE

CHARACTERISTICS	NORM	REQUIREMENT
Dimensional Stability	ASTM F2199	0,02%
Curling	ISO 23999	0.10mm
Squareness (plank)	ASTM F2055	0.15mm
Width Flatness	ISO 24337	fw = 0.1%
Length Flatness	ISO 24337	fl = 0.15%
Cupping Flatness	ISO 24337	0.1mm
Openings / Assembling	ISO 24337	0.05mm
Ledging	ISO 24337	0.1mm

SPECIFICATION





CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Abrasion Resistance	ASTM D4060-25		4.1mg
ASTM Specification Classification	ASTM F3261		Class 1, Type B, Grade 1
Resistance to Staining	ASTM F925		No visible staining, discoloration, or

surface degradation


Furniture Leg	ASTM F2753		No visible damage
Castor Chair			No visible damage after 25,000 cycles
Heat stability (color change)	ASTM F1514		$\Delta E \leq 8.0$
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 72*
STC Sound Testing	ASTM 492-09		STC 68*
IIC Sound Testing	ASTM E 989-18		IIC 72*
Static Electrical Loading	ASTM F150		≤ 2.0 kV (2000V)
Micro Scratch Resistance	EN 16094:2012, Procedure A&B		MSR-A1, MSR-B
Mean Failure Energy	ASTM D5420-21		8.1J
Surface treatment (UV)			2-pass UV cured urethane
Surface Integrity	ASTM F1914		No visible changes or only minor indentation
Residual Indentation	ASTM F1914		0.1mm
Static Load (Residual Indentation)	ASTM F970		0.05mm

*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		0.02 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 D2047		Dry Surface COF ≥ 0.50 Wet Surface COF ≥ 0.42

UNDERFLOOR HEATING

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Floor Heating System	Yes suitable, see separate installation instructions		Max.27° C

ENVIRONMENTAL CERTIFICATION

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
FloorScore	Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0		confirm